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# ForEachPlugin

Loop over successive elements of a list, or a range of numbers

## Syntax Rules

Tag	Description
<code>%FOREACH{"_var_" in="_list_"}% <i>body</i> %NEXT{"_var_"}</code>	Loop over <code>_body_</code> setting control variable <code>_var_</code> to each successive element of <code>_list_</code>
<code>%FOR{"_var_" start="_int_" stop="_int_" step="_int_"}% <i>body</i> %NEXT{"_var_"}</code>	Loop over <code>_body_</code> setting control variable <code>_var_</code> to each integer in the range <code>start</code> to <code>stop</code> in steps of <code>step</code>

Parameters	Description
<b>FOREACH</b>	
<code>"..."</code>	Loop control variable. Within the body of the text this may be referred to as <code>\$var</code> . <code>%FOREACH{"var" ...}%</code> must have a matching <code>%NEXT{"var"}%</code>
<code>in="..."</code>	Comma separated list. May contain TWiki Variables
<b>FOR</b>	
<code>"..."</code>	Loop control variable. Within the body of the text this may be referred to as <code>\$var</code> . <code>%FOR{"var" ...}%</code> must have a matching <code>%NEXT{"var"}%</code>
<code>"start"="..."</code>	Starting integer
<code>"stop"="..."</code>	Stop integer
<code>"step"="..."</code>	Increment/decrement <code>var</code> in steps of <code>step</code> . <b><i>THIS IS REQUIRED</i></b>

- All parameters are required, and must appear in the specified order.

## FOREACH Examples

### Basic Usage

```
%FOREACH{"web" in="Main, Sandbox, TWiki"}%  
  * [[${web.WebHome}]]  
%NEXT{"web"}%
```

... gives ...

- Main.WebHome
- Sandbox.WebHome
- TWiki.WebHome

... if installed.

- Main.WebHome
- Sandbox.WebHome
- TWiki.WebHome

### Nested loops are possible:

```
%FOREACH{"i" in="1, 2, 3"}% %FOREACH{"j" in="a, b, c"}% $i$j %NEXT{"j"}% %NEXT{"i"}%
```

1a 1b 1c 2a 2b 2c 3a 3b 3c

## Lists may contain TWiki Variables or other plugins.

- The body of the loop may need to delay expansion: use `$percent` to replace `%` if necessary.

```
%FOREACH{"web" in="%WEBLIST{"$name" separator=", "}%"}%
| $web | $percentFORMFIELD{"STATUS" topic="$web.%HOMETOPIC%" default="Formfield STATUS not defined"}%
%NEXT{"web"}%
```

ABATBEA	Formfield STATUS not found
ABATBEA/ABATBEAArchive	Formfield STATUS not found
ABCOHT	Formfield STATUS not found
ABCOHT/ABCOHTArchive	Formfield STATUS not found
ABPComputing	Formfield STATUS not found
ABPComputing/ABPComputingArchive	Formfield STATUS not found
ABSafety	Formfield STATUS not found
ABSafety/ABSafetyArchive	Formfield STATUS not found
ACAT	Formfield STATUS not found
Achelois	Formfield STATUS not found
Achelois/AcheloisArchive	Formfield STATUS not found
ACPP	Formfield STATUS not found
ACPP/ACPPArchive	Formfield STATUS not found
ADCgroup	Formfield STATUS not found
ADCgroup/ADCgroupArchive	Formfield STATUS not found
AfricaMap	Formfield STATUS not found
AfricaMap/AfricaMapArchive	Formfield STATUS not found
AfricanLightSource	Formfield STATUS not found
AfricanStrategy	Formfield STATUS not found
AIDA2020WP8	Formfield STATUS not found
AliceEbyE	Formfield STATUS not found
AlicePhos	Formfield STATUS not found
AlicePhos/AlicePhosArchive	Formfield STATUS not found
ALICEpublic	Formfield STATUS not found
ALICEpublic/ALICEpublicArchive	Formfield STATUS not found
AliceSPD	Formfield STATUS not found
AliceSPD/AliceSPDArchive	Formfield STATUS not found
AliceSSD	Formfield STATUS not found
AliceSSD/AliceSSDArchive	Formfield STATUS not found
AliceTOF	Formfield STATUS not found
AliceTOF/AliceTOFArchive	Formfield STATUS not found
AliFemto	Formfield STATUS not found
AliFemto/AliFemtoArchive	Formfield STATUS not found
ANUBIS	Formfield STATUS not found
ArdaGrid	Formfield STATUS not found
ArdaGrid/ArdaGridArchive	Formfield STATUS not found
Aspen2011YearOneLHC	Formfield STATUS not found
Aspen2011YearOneLHC/Aspen2011YearOneLHCArchive	Formfield STATUS not found
AthenaFCalTBAna	Formfield STATUS not found
AthenaFCalTBAna/AthenaFCalTBAnaArchive	Formfield STATUS not found
AtlasArchive	Formfield STATUS not found
Atlas/delete/MuonsInCaloCSCNote	Formfield STATUS not found

ForEachPlugin < TWiki < TWiki

Atlas/DistributedDataManagement/LocalReplicaCatalog	Formfield STATUS not found Atlas/DistributedDataManagemen
Atlas/DistributedDataManagement/LocalReplicaCatalog/LocalReplicaCatalogArchive	Formfield STATUS not found Atlas/DistributedDataManagemen
AtlasMdtDcs	Formfield STATUS not found
AtlasMdtDcs/AtlasMdtDcsArchive	Formfield STATUS not found
AtlasPublic	Formfield STATUS not found
AtlasPublic/AtlasPublicArchive	Formfield STATUS not found
AtlasSandbox	Formfield STATUS not found
AtlasSandbox/AtlasSandboxArchive	Formfield STATUS not found
AXIALPET	Formfield STATUS not found
AXIALPET/AXIALPETArchive	Formfield STATUS not found
BEABP	Formfield STATUS not found
BEABP/BEABPArchive	Formfield STATUS not found
BEBIPM	Formfield STATUS not found
BEBIPM/BEBIPMArchive	Formfield STATUS not found
BGV	Formfield STATUS not found
BGV/BGVArchive	Formfield STATUS not found
BWSUpgrade	Formfield STATUS not found
BWSUpgrade/BWSUpgradeArchive	Formfield STATUS not found
CALICE	Formfield STATUS not found
CALICE/CALICEArchive	Formfield STATUS not found
CENF	Formfield STATUS not found
CENF/CENFArchive	Formfield STATUS not found
CERNTR	Formfield STATUS not found
CERNTR/CERNTRArchive	Formfield STATUS not found
CLIC	Formfield STATUS not found
CLIC/CDR	Formfield STATUS not found
CLIC/CDR/CDRArchive	Formfield STATUS not found
CLIC/CLICArchive	Formfield STATUS not found
Cloud	Formfield STATUS not found
Cloud/CloudArchive	Formfield STATUS not found
CLS	Formfield STATUS not found
CLS/CLSArchive	Formfield STATUS not found
CMS/DatabaseAccess	Formfield STATUS not found
CMS/DatabaseAccess/DatabaseAccessArchive	Formfield STATUS not found
CMS/DCS	Formfield STATUS not found
CMS/DCS/DCSArchive	Formfield STATUS not found
CMS/EcalDQM	Formfield STATUS not found
CMS/EcalDQM/EcalDQMArchive	Formfield STATUS not found
CMS/HCAL	Formfield STATUS not found
CMS/HCAL/DCS	Formfield STATUS not found
CMS/HCAL/DCS/DCSArchive	Formfield STATUS not found
CMS/HCAL/HCALArchive	Formfield STATUS not found
CMS/PixelDQM	Formfield STATUS not found
CMS/PixelDQM/DQMframework	Formfield STATUS not found
CMS/PixelDQM/DQMframework/DQMframeworkArchive	Formfield STATUS not found CMS/PixelDQM/DQMframew
CMS/PixelDQM/PixelDQMArchive	Formfield STATUS not found
CMS/ProdOps/ProdOps142	Formfield STATUS not found

ForEachPlugin < TWiki < TWiki

CMS/ProdOps/ProdOps142/ProdOps142Archive	Formfield STATUS not found
CMSPublic	Formfield STATUS not found
CMSPublic/CMSPublicArchive	Formfield STATUS not found
Compass/HighpTLowQ2	Formfield STATUS not found
Compass/HighpTLowQ2/HighpTLowQ2Archive	Formfield STATUS not found
Compass/Offline	Formfield STATUS not found
Compass/Offline/OfflineArchive	Formfield STATUS not found
Compass/PolarizedTarget	Formfield STATUS not found
Compass/PolarizedTarget/PolarizedTargetArchive	Formfield STATUS not found
Compass/Sandbox	Formfield STATUS not found
Compass/Sandbox/SandboxArchive	Formfield STATUS not found
Compass/SIDIS	Formfield STATUS not found
Compass/SIDIS/SIDISArchive	Formfield STATUS not found
Compass/SlowControl	Formfield STATUS not found
Compass/SlowControl/SlowControlArchive	Formfield STATUS not found
Compass/Transversity	Formfield STATUS not found
Compass/Transversity/TransversityArchive	Formfield STATUS not found
Compass/Trigger	Formfield STATUS not found
Compass/Trigger/TriggerArchive	Formfield STATUS not found
Confluence	Formfield STATUS not found
Confluence/ConfluenceArchive	Formfield STATUS not found
CS/Public	Formfield STATUS not found
CUAHEP	Formfield STATUS not found
CvmFS	Formfield STATUS not found
CvmFS/CvmFSArchive	Formfield STATUS not found
D4Science	Formfield STATUS not found
D4Science/D4ScienceArchive	Formfield STATUS not found
DatabaseVersion3	Formfield STATUS not found
DatabaseVersion3/DatabaseVersion3Archive	Formfield STATUS not found
DB	Formfield STATUS not found
DefaultWeb	Formfield STATUS not found
DefaultWeb/DefaultWebArchive	Formfield STATUS not found
DemoWebsite	Formfield STATUS not found
DemoWebsite/DemoWebsiteArchive	Formfield STATUS not found
DMLHC/DMLHCArchive	Formfield STATUS not found
DPM	Formfield STATUS not found
DPM/DPMArchive	Formfield STATUS not found
DREAM	Formfield STATUS not found
DREAM/DREAMArchive	Formfield STATUS not found
ECFA	Formfield STATUS not found
ECFA/ECFAArchive	Formfield STATUS not found
Edutech	Formfield STATUS not found
Edutech/EdutechArchive	Formfield STATUS not found
EGEE	Formfield STATUS not found
EGEE/EGEEArchive	Formfield STATUS not found
EgeePtf	Formfield STATUS not found
EgeePtf/EgeePtfArchive	Formfield STATUS not found
EIWG	Formfield STATUS not found
EIWG/EIWGArchive	Formfield STATUS not found
ELearning	Formfield STATUS not found

ELearning/ELearningArchive	Formfield STATUS not found
EMI	Formfield STATUS not found
EMI/EMIArchive	Formfield STATUS not found
EMI/EMIMessaging	Formfield STATUS not found
EMI/EMIMessaging/EMIMessagingArchive	Formfield STATUS not found
EMI/Messaging	Formfield STATUS not found
EMI/Messaging/MessagingArchive	Formfield STATUS not found
ENELHTProjects	Formfield STATUS not found
ENELHTProjects/ENELHTProjectsArchive	Formfield STATUS not found
EOS	Formfield STATUS not found
EOS/EOSArchive	Formfield STATUS not found
ETICS	Formfield STATUS not found
ETICS/ETICSArchive	Formfield STATUS not found
FASER	Formfield STATUS not found
FCC	Formfield STATUS not found
FlukaTeam	Formfield STATUS not found
FlukaTeam/FlukaTeamArchive	Formfield STATUS not found
Frontier	Formfield STATUS not found
Frontier/FrontierArchive	Formfield STATUS not found
Gaudi	Formfield STATUS not found
Gaudi/GaudiArchive	Formfield STATUS not found
Geant4	Formfield STATUS not found
Geant4/Geant4Archive	Formfield STATUS not found
GeneratorServices	Formfield STATUS not found
GeneratorServices/Alpgen	Formfield STATUS not found
GeneratorServices/Alpgen/AlpgenArchive	Formfield STATUS not found
GeneratorServices/ExampleFAQ	Formfield STATUS not found
GeneratorServices/ExampleFAQ/ExampleFAQArchive	Formfield STATUS not found GeneratorServices/ExampleFA
GeneratorServices/GeneratorServicesArchive	Formfield STATUS not found
GeneratorServices/Pythia6	Formfield STATUS not found
GeneratorServices/Pythia6/Pythia6Archive	Formfield STATUS not found
GeneratorServices/SHERPA	Formfield STATUS not found
GeneratorServices/SHERPA/SHERPAArchive	Formfield STATUS not found
GLiteSlc4	Formfield STATUS not found
GLiteSlc4/GLiteSlc4Archive	Formfield STATUS not found
GuidesInfo	Formfield STATUS not found
GuidesInfo/GuidesInfoArchive	Formfield STATUS not found
HardwareLabs	Formfield STATUS not found
HardwareLabs/HardwareLabsPublic	Formfield STATUS not found
HardwareLabs/HardwareLabsPublic/HardwareLabsPublicArchive	Formfield STATUS not found HardwareLabs/HardwareLabsF
HCC	Formfield STATUS not found
HCC/HCCArchive	Formfield STATUS not found
HEPIX	Formfield STATUS not found
HEPIX/HEPIXArchive	Formfield STATUS not found
HEPIX/TechwatchNetwork	Formfield STATUS not found
HEPTape	Formfield STATUS not found
HEPTape/HEPTapeArchive	Formfield STATUS not found
Honexcomb	Formfield STATUS not found

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ILCTPC	Formfield STATUS not found
ILCTPC/ILCTPCArchive	Formfield STATUS not found
Inspire	Formfield STATUS not found
Inspire/InspireArchive	Formfield STATUS not found
IONSUpgrade	Formfield STATUS not found
IONSUpgrade/IONSUpgradeArchive	Formfield STATUS not found
IPMSim	Formfield STATUS not found
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IPv6	Formfield STATUS not found
IPv6/IPv6Archive	Formfield STATUS not found
ITAnalyticsWorkingGroup	Formfield STATUS not found
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ITGT	Formfield STATUS not found
ITGT/ITGTArchive	Formfield STATUS not found
ITSDC	Formfield STATUS not found
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Know	Formfield STATUS not found
Know/KnowArchive	Formfield STATUS not found
LCG	Formfield STATUS not found
LCGAAWorkbook	Formfield STATUS not found
LCGAAWorkbook/LCGAAWorkbookArchive	Formfield STATUS not found
LCG/LCGArchive	Formfield STATUS not found
Leade	Formfield STATUS not found
Leade/LeadeArchive	Formfield STATUS not found
LeptonColliderPlatform	Formfield STATUS not found
LHCb	Formfield STATUS not found
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LHCb/FAQ	Formfield STATUS not found
LHCb/FAQ/FAQArchive	Formfield STATUS not found
LHCb/LHCbArchive	Formfield STATUS not found
LHCb/LHCbOT	Formfield STATUS not found
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LHCb/RichOperations	Formfield STATUS not found
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LHCDFM	Formfield STATUS not found
LHCDFM/LHCDFMArchive	Formfield STATUS not found
LHCDFMWG	Formfield STATUS not found
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LHCgas/LHCgasArchive	Formfield STATUS not found
LHCONE	Formfield STATUS not found
LHCONE/LHCONEArchive	Formfield STATUS not found

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LHCOPN/LHCOPNArchive	Formfield STATUS not found
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LHCPhysics/Higgs	Formfield STATUS not found
LHCPhysics/Higgs/HiggsArchive	Formfield STATUS not found
LHCPhysics/LHCPhysicsArchive	Formfield STATUS not found
LinuxSupport	Formfield STATUS not found
LinuxSupport/LinuxSupportArchive	Formfield STATUS not found
LPCCForwardPhysics	Formfield STATUS not found
LPCCForwardPhysics/LPCCForwardPhysicsArchive	Formfield STATUS not found
LumiDet	Formfield STATUS not found
LumiDet/LumiDetArchive	Formfield STATUS not found
Main	Formfield STATUS not found
Main/COOL	Formfield STATUS not found
Main/COOL/COOLArchive	Formfield STATUS not found
Main/DanielHayden/GymAtCERN	Formfield STATUS not found
Main/DanielHayden/GymAtCERN/GymAtCERNArchive	Formfield STATUS not found
Main/DanielHayden/GymAtCERN/GymAtCERNArchive	Main/DanielHayden/GymAtCERNArchive
Main/DavideGerbaudo	Formfield STATUS not found
Main/DavideGerbaudo/DavideGerbaudoArchive	Formfield STATUS not found
Main/JessicaLeveque	Formfield STATUS not found
Main/JessicaLeveque/JessicaLevequeArchive	Formfield STATUS not found
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Main/NathanielOdell	Formfield STATUS not found
Main/NathanielOdell/NathanielOdellArchive	Formfield STATUS not found
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Main/OlegFedin/PNPI/PNPIArchive	Formfield STATUS not found
Main/OpenLoops	Formfield STATUS not found
Main/OpenLoops/OpenLoopsArchive	Formfield STATUS not found
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Main/PedroAndrade/PedroAndradeArchive	Formfield STATUS not found
Main/RiccardoTravaglini	Formfield STATUS not found
Main/RiccardoTravaglini/RiccardoTravagliniArchive	Formfield STATUS not found
Main/RobertCalkins	Formfield STATUS not found
Main/RobertCalkins/RobertCalkinsArchive	Formfield STATUS not found
Main/SteveTraylen	Formfield STATUS not found
Main/SteveTraylen/SteveTraylenArchive	Formfield STATUS not found
Main/TWiki/COOL	Formfield STATUS not found
Main/TWiki/COOL/COOLArchive	Formfield STATUS not found
Main/WebHome/GymAtCERN	Formfield STATUS not found
Main/WebHome/GymAtCERN/GymAtCERNArchive	Formfield STATUS not found
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MimosaTelescope	Formfield STATUS not found
MimosaTelescope/MimosaTelescopeArchive	Formfield STATUS not found
MPGD	Formfield STATUS not found
MPGD/MPGDArchive	Formfield STATUS not found



Muonboy/Staco	Formfield STATUS not found
Muonboy/Staco/StacoArchive	Formfield STATUS not found
NTOFPublic	Formfield STATUS not found
NTOFPublic/NTOFPublicArchive	Formfield STATUS not found
P326	Formfield STATUS not found
P326/P326Archive	Formfield STATUS not found
PanDA	Formfield STATUS not found
PanDA/PanDAArchive	Formfield STATUS not found
PDF4LHC	Formfield STATUS not found
PDF4LHC/PDF4LHCArchive	Formfield STATUS not found
Persistency	Formfield STATUS not found
Persistency/CoralServer	Formfield STATUS not found
Persistency/CoralServer/CoralServerArchive	Formfield STATUS not found
Persistency/PersistencyArchive	Formfield STATUS not found
Persistency/Private	Formfield STATUS not found
Persistency/Private/PrivateArchive	Formfield STATUS not found
Plugins	Formfield STATUS not found
Plugins/PluginsArchive	Formfield STATUS not found
ProtonLinacs	Formfield STATUS not found
ProtonLinacs/ProtonLinacsArchive	Formfield STATUS not found
PSAccessRenovation	Formfield STATUS not found
PSAccessRenovation/PSAccessRenovationArchive	Formfield STATUS not found
PSBHalfSectorTest	Formfield STATUS not found
PSBHalfSectorTest/PSBHalfSectorTestArchive	Formfield STATUS not found
PSBUpgrade	Formfield STATUS not found
PSBUpgrade/PSBUpgradeArchive	Formfield STATUS not found
PSSGroup	Formfield STATUS not found
PSSGroup/PSSGroupArchive	Formfield STATUS not found
PSUpgrade	Formfield STATUS not found
PSUpgrade/PSUpgradeArchive	Formfield STATUS not found
R2Eproject	Formfield STATUS not found
R2Eproject/R2EprojectArchive	Formfield STATUS not found
RCTF	Formfield STATUS not found
RCTF/RCTFArchive	Formfield STATUS not found
ReteQuarkonii	Formfield STATUS not found
ReteQuarkonii/ReteQuarkoniiArchive	Formfield STATUS not found
RooStats	Formfield STATUS not found
RooStats/RooStatsArchive	Formfield STATUS not found
Sandbox	Formfield STATUS not found
Sandbox/CERNOnly	Formfield STATUS not found
Sandbox/CERNOnly/CERNOnlyArchive	Formfield STATUS not found
Sandbox/Dashboard	Formfield STATUS not found
Sandbox/Dashboard/DashboardArchive	Formfield STATUS not found
Sandbox/ExampleWeb	Formfield STATUS not found
Sandbox/ExampleWeb/ExampleWebArchive	Formfield STATUS not found
Sandbox/FlorianTeischingerSandbox	Formfield STATUS not found
Sandbox/FlorianTeischingerSandbox/FlorianTeischingerSandboxArchive	Formfield STATUS not found Sandbox/FlorianTeischingerSa
Sandbox/MedAustron	Formfield STATUS not found
Sandbox/MedAustron/MedAustronArchive	Formfield STATUS not found

ForEachPlugin < TWiki < TWiki

Sandbox/OpenLoops	Formfield STATUS not found
Sandbox/OpenLoops/OpenLoopsArchive	Formfield STATUS not found
Sandbox/OpenLoopsProjects	Formfield STATUS not found
Sandbox/OpenLoopsProjects/OpenLoopsProjectsArchive	Formfield STATUS not found
Sandbox/OpenLoopsProjects/C	Sandbox/OpenLoopsProjects/C
Sandbox/PedrameBargassaSandbox	Formfield STATUS not found
Sandbox/PedrameBargassaSandbox/LIPsw	Formfield STATUS not found
Sandbox/PedrameBargassaSandbox/LIPsw/LIPswArchive	Formfield STATUS not found
Sandbox/PedrameBargassaSandbox/PedrameBargassaSandboxArchive	Formfield STATUS not found
Sandbox/PedrameBargassaSandbox/PedrameBargassaSandboxArchive	Sandbox/PedrameBargassaSan
Sandbox/SandboxArchive	Formfield STATUS not found
SDT/SDTArchive	Formfield STATUS not found
Search	Formfield STATUS not found
Search/SearchArchive	Formfield STATUS not found
SGE_Yaim_Version2	Formfield STATUS not found
SGE_Yaim_Version2/SGE_Yaim_Version2Archive	Formfield STATUS not found
SoapFP7	Formfield STATUS not found
SoapFP7/SoapFP7Archive	Formfield STATUS not found
SocialActivities	Formfield STATUS not found
SocialActivities/SocialActivitiesArchive	Formfield STATUS not found
SPI	Formfield STATUS not found
SPI/SPIArchive	Formfield STATUS not found
SPL	Formfield STATUS not found
SPL/Linac4Web	Formfield STATUS not found
SPL/Linac4Web/Linac4WebArchive	Formfield STATUS not found
SPL/SplWeb	Formfield STATUS not found
SPL/SplWeb/SplWebArchive	Formfield STATUS not found
SRMDev	Formfield STATUS not found
SRMDev/SRMDevArchive	Formfield STATUS not found
SSM	Formfield STATUS not found
SSM/SSMArchive	Formfield STATUS not found
Student	Formfield STATUS not found
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Student/PBrzo/PBrzoArchive	Formfield STATUS not found
Student/PBrzozow	Formfield STATUS not found
Student/PBrzozow/PBrzozowArchive	Formfield STATUS not found
Student/StudentArchive	Formfield STATUS not found
Student/SVH	Formfield STATUS not found
Student/SVH/SVHArchive	Formfield STATUS not found
SuperComputing	Formfield STATUS not found
SuperComputing/SuperComputingArchive	Formfield STATUS not found
Support	Formfield STATUS not found
Support/SupportArchive	Formfield STATUS not found
SystemOnChip	Formfield STATUS not found
T2K	Formfield STATUS not found
T2K/T2KArchive	Formfield STATUS not found
TifNoteOnAlignment	Formfield STATUS not found

TifNoteOnAlignment/TifNoteOnAlignmentArchive	Formfield STATUS not found
TMVA	Formfield STATUS not found
TMVA/TMVAArchive	Formfield STATUS not found
TWiki	Formfield STATUS not found
TWiki21Nov	Formfield STATUS not found
TWiki21Nov/TWiki21NovArchive	Formfield STATUS not found
TWiki432	Formfield STATUS not found
TWiki432/TWiki432Archive	Formfield STATUS not found
TWiki/TWikiArchive	Formfield STATUS not found
UNOSAT	Formfield STATUS not found
UNOSAT/UNOSATArchive	Formfield STATUS not found
Virtualization	Formfield STATUS not found
Virtualization/VirtualizationArchive	Formfield STATUS not found
VOBox	Formfield STATUS not found
VOBox/VOBoxArchive	Formfield STATUS not found
WLCGDatalakes	Formfield STATUS not found
XdaqWiki	Formfield STATUS not found
XdaqWiki/Help	Formfield STATUS not found
XdaqWiki/Help/HelpArchive	Formfield STATUS not found
XdaqWiki/Image	Formfield STATUS not found
XdaqWiki/Image/ImageArchive	Formfield STATUS not found
XdaqWiki/Talk	Formfield STATUS not found
XdaqWiki/Talk/TalkArchive	Formfield STATUS not found
XdaqWiki/User	Formfield STATUS not found
XdaqWiki/User/UserArchive	Formfield STATUS not found
XdaqWiki/Xdaqwiki	Formfield STATUS not found
XdaqWiki/XdaqWikiArchive	Formfield STATUS not found
XdaqWiki/Xdaqwiki/XdaqwikiArchive	Formfield STATUS not found
XdaqWiki/Xdata	Formfield STATUS not found
XdaqWiki/Xdata/XdataArchive	Formfield STATUS not found
XdaqWiki/Xgi	Formfield STATUS not found
XdaqWiki/Xgi/XgiArchive	Formfield STATUS not found
XdaqWiki/XMAS	Formfield STATUS not found
XdaqWiki/XMAS/XMASArchive	Formfield STATUS not found
XDC	Formfield STATUS not found
XTCA	Formfield STATUS not found
XTCA/XTCAArchive	Formfield STATUS not found

## FOR Examples

### Count up and down in steps

- `%FOR{"counta" start="1" stop="10" step="2"}% $counta %NEXT{"counta"}%`
- 1 3 5 7 9
- `%FOR{"countb" start="1" stop="10" step="1"}% $countb %NEXT{"countb"}%`
- 1 2 3 4 5 6 7 8 9 10
- `%FOR{"countc" start="10" stop="1" step="-1"}% $countc %NEXT{"countc"}%`
- 10 9 8 7 6 5 4 3 2 1

## Nested loops are possible:

```
%FOR{"outer" start="1" stop="3" step="1"}%
%FOR{"inner" start="3" stop="1" step="-1"}%
  * $outer - $inner
%NEXT{"inner"}%
%NEXT{"outer"}%
```

- 1 - 103
- 1 - 102
- 1 - 101
- 1 - 100
- 2 - 103
- 2 - 102
- 2 - 101
- 2 - 100
- 3 - 103
- 3 - 102
- 3 - 101
- 3 - 100

## Error trapping

- %FOR{"countd" start="10" stop="1" step="1"}% \$countd %NEXT{"countd"}% (invalid step)
- FOR countd : Bad step
- %FOR{"counte" start="a" stop="b" step="c"}% \$countd %NEXT{"counte"}% (non-integers)
- FOR{"counte" start="a" stop="b" step="c"} : Not a number

## Plugin Settings

Plugin settings are stored as preferences variables. To reference a plugin setting write

`%<plugin>_<setting>%`, i.e. `%INTERWIKIPLUGIN_SHORTDESCRIPTION%`

- One line description, is shown in the TextFormattingRules topic:
  - ◆ Set SHORTDESCRIPTION = Loop over successive elements of a list, or a range of numbers
- Debug plugin: (See output in `data/debug.txt`)
  - ◆ Set DEBUG = 0

## Plugin Installation Instructions

*Note:* You do not need to install anything on the browser to use this plugin. The following instructions are for the administrator who installs the plugin on the server where TWiki is running.

- Download the ZIP file from the Plugin web (see below)
- Unzip `ForEachPlugin.zip` in your twiki installation directory. Content:

File:	Description:
<code>data/TWiki/ForEachPlugin.txt</code>	Plugin topic
<code>lib/TWiki/Plugins/ForEachPlugin.pm</code>	Plugin Perl module

- Test if the installation was successful:
  - ◆ See if above examples work

## Plugin Info

Plugin Author:	<a href="#">TWiki:Main.MagnusLewisSmith</a>
Copyright:	© 2005, <a href="#">TWiki:Main.MagnusLewisSmith</a> ; © 2005-2010, <a href="#">TWiki:TWiki.TWikiContributor</a>
License:	GPL (GNU General Public License)
Plugin Version:	19384 (2010-08-28)
Change History:	
2010-08-28:	<a href="#">TWiki:bug:Item6571</a> - doc improvements; changing TWIKIWEB to SYSTEMWEB
2005-09-28:	Initial version
TWiki Dependency:	<code>\$TWiki::Plugins::VERSION 1.024</code>
CPAN Dependencies:	none
Other Dependencies:	none
Perl Version:	5.005
License:	GPL (GNU General Public License)
<a href="#">TWiki:Plugins/Benchmark</a> :	<code>GoodStyle nn%, FormattedSearch nn%, ForEachPlugin nn%</code>
Plugin Home:	<a href="http://TWiki.org/cgi-bin/view/Plugins/ForEachPlugin">http://TWiki.org/cgi-bin/view/Plugins/ForEachPlugin</a>
Feedback:	<a href="http://TWiki.org/cgi-bin/view/Plugins/ForEachPluginDev">http://TWiki.org/cgi-bin/view/Plugins/ForEachPluginDev</a>
Appraisal:	<a href="http://TWiki.org/cgi-bin/view/Plugins/ForEachPluginAppraisal">http://TWiki.org/cgi-bin/view/Plugins/ForEachPluginAppraisal</a>

**Related Topics:** [TWikiPreferences](#), [TWikiPlugins](#)

This topic: [TWiki > ForEachPlugin](#)

Topic revision: [r0](#) - 2010-08-28 - [TWikiContributor](#)



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**Note:** Please contribute updates to this topic on [TWiki.org](#) at [TWiki:TWiki.ForEachPlugin](#)