



- while
- until
- for...in
- for
- break continue
- select
-

Bash ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

for ☐ while ☐ until ☐

while ☐ ☐

```
while
```

```
while condition; do
    commands
done
```

```

graph LR
    Node1["condition: x < 10  
commands: x = x + 1"]
    Node2["condition: x < 20  
commands: x = x + 1"]
    Node2 --> Node1
  
```

□□□ condition □□□ test □□□ if □□□□□□□□□□

```
#!/bin/bash

number=0

while [ "$number" -lt 10 ]; do
    echo "Number = $number"
    number=$((number + 1))
done
```

while [\$number -le 10] do echo \$number done

do while

```
while true
do
  echo 'Hi, while looping ...';
done
```

Ctrl + c

while

```
$ while true; do echo 'Hi, while looping ...'; done
```

while

```
$ while echo 'ECHO'; do echo 'Hi, while looping ...'; done
```

echo 'ECHO'

while

```
$ while true; false; do echo 'Hi, looping ...'; done
```

while false

until

until while

```
until condition; do
  commands
done
```

do until

```
until condition
do
```

```
commands
done
```

```
|||||
```

```
$ until false; do echo 'Hi, until looping ...'; done
Hi, until looping ...
Hi, until looping ...
Hi, until looping ...
^C
```

```
|||||
```

```
until |||||
```

```
false |||||||
```

```
Ctrl + c |||
```

```
#!/bin/bash
```

```
number=0
until [ "$number" -ge 10 ]; do
    echo "Number = $number"
    number=$((number + 1))
done
```

```
|||||
```

```
number || 10 |||||
```

```
1 |||
```

```
number |||
```

```
10 |||||||
```

```
until |||||||
```

```
until cp $1 $2; do
    echo 'Attempt to copy failed. waiting...'
    sleep 5
done
```

```
|||||
```

```
cp $1 $2 |||||||
```

```
5 |||||||
```

```
until |||||
```

```
while |||||||
```

```
while ! cp $1 $2; do
    echo 'Attempt to copy failed. waiting...'
    sleep 5
done
```

```
|||||
```

```
until |||||||
```

```
while ||
```

for...in

for...in

```
for variable in list
do
  commands
done
```

for list variable

do for

```
for variable in list; do
  commands
done
```

```
#!/bin/bash

for i in word1 word2 word3; do
  echo $i
done
```

word1 word2 word3 i word1 word2 word3 echo \$i

```
for i in *.png; do
  ls -l $i
done
```

*.png PNG i

```
#!/bin/bash

count=0
```

```
for i in $(cat ~/.bash_profile); do
    count=$((count + 1))
    echo "Word $count ($i) contains $(echo -n $i | wc -c) characters"
done
```

```

cat ~/.bash_profile
~/.bash_profile

```

```

in list
list
$@

```

```
for filename; do
    echo "$filename"
done
```

```
#
```

```
for filename in "$@" ; do
    echo "$filename"
done
```

```

for...in
in list
list

```

for

```
for C
```

```
for (( expression1; expression2; expression3 )); do
    commands
done
```

```

expression1
expression2
expression3

```

```
$
```

```
while
```

```
(( expression1 ))
while (( expression2 )); do
    commands
done
```

```
(( expression3 ))
done
```

--	--	--	--	--	--	--	--

```
for (( i=0; i<5; i=i+1 )); do
    echo $i
done
```

i 10

`for`

```
for ((;;))
do
    read var
    if [ "$var" = "." ]; then
        break
    fi
done
```

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break □ continue

Bash [] break [] continue []

break

```
#!/bin/bash

for number in 1 2 3 4 5 6
do
    echo "number is $number"
    if [ "$number" = "3" ]; then
        break
    fi
done
```

\$number 3

continue

```
#!/bin/bash
```

```
while read -p "What file do you want to test?" filename
do
    if [ ! -e "$filename" ]; then
        echo "The file does not exist."
        continue
    fi

    echo "You entered a valid file.."
done
```

continue

select

select

for...in

```
select name
[in list]
do
    commands
done
```

Bash select

1. select list
2. Bash
3. Bash name
4. commands
5.

REPLY

Bash

```
#!/bin/bash
# select.sh
```

```
select brand in Samsung Sony iphone symphony Walton
do
    echo "You have chosen $brand"
done
```

■■■■■■■

Bash ■■■■■■■■■■■■■■

```
$ ./select.sh
1) Samsung
2) Sony
3) iphone
4) symphony
5) Walton
#?
```

■■■■■■■■■■■■■■■■■■■■

Bash ■■■■■■■■■■■■■■■■■■■■

Ctrl + c

■■■■■

select ■■■

case ■■■■■■■■■■■■■■■■■■■■

```
#!/bin/bash

echo "Which Operating System do you like?"

select os in Ubuntu LinuxMint Windows8 Windows10 WindowsXP
do
    case $os in
        "Ubuntu"|"LinuxMint")
            echo "I also use $os."
            ;;
        "Windows8" | "Windows10" | "WindowsXP")
            echo "Why don't you try Linux?"
            ;;
        *)
            echo "Invalid entry."
            break
            ;;
    esac
done
```



- [Bash Select Command](#), Fahmida Yesmin

□□□ #2

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📄 cocobook-sync 📄📄 2026-10-28 11:27:31 UTC