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Shell Script While Loop Examples

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Can you provide me a while loop control flow statement shell script syntax and example that allows code to be executed repeatedly based on a given boolean condition?

Each while loop consists of a set of commands and a condition. The general syntax as follows for bash while loop:

[1]

```
while [ condition ]
do
 command1
 command2
 commandN
done
```

1. The condition is evaluated, and if the condition is true, the command1,2…N is executed.
2. This repeats until the condition becomes false.
3. The condition can be integer ($i < 5), file test (-e /tmp/lock) or string ($ans != "")

ksh while loop syntax:

```
while [[ condition ]] ; do
 command1
 command1
 commandN
done
```

csh while loop syntax:

```
      while ( condition )
          commands
      end
```

BASH while Loop Example

```
#!/bin/bash
c=1
while [ $c -le 5 ]
do
 echo "Welcone $c times"
 (( c++ ))
done
```

KSH while loop Example

```
#!/bin/ksh
c=1
while [[ $c -le 5 ]]; do
 echo "Welcome $c times"
 (( c++ ))
done
```

CSH while loop Example

```csh
#!/bin/csh
c=1
while ( $c <= 5 )
 echo "Welcome $c times"
 @ c = $c + 1
end
```

Another example:

```csh
#!/bin/csh
set yname="foo"
while ( $yname != "" )
 echo -n "Enter your name : "
 set yname = $<
 if ( $yname != "" ) then
  echo "Hi, $yname"
 endif
end
```

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