

arrays,until,break

# Arrays

Referred as elements.

These elements are referenced by their reference number.

This reference number must be a positive integer.

The first number within an array is always "0" zero unless you specify a different number.

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

```
# Array Example
```

```
test=(one two three four five)
```

```
echo ${test[0]}
```

```
echo ${test[1]}
```

```
echo ${test[2]}
```

```
echo ${test[3]}
```

```
echo ${test[4]}
```

```
echo ${test[*]}
```

# Adding Elements to Array

```
#!/bin/bash
#
# Array Example
#
test=(one two three four five)
```

```
echo ${test[0]}
echo ${test[1]}
echo ${test[2]}
echo ${test[3]}
echo ${test[4]}
```

```
echo ${test[*]}
```

```
test[5]=six
```

```
echo ${test[*]}
```

# Delete An Array Element

```
$test_array=(tom sam jack)
```

```
$unset test_array[2]
```

# Until loop

while loop is used where you need to execute a set of commands while some condition is true.

you need to execute a set of commands until a condition is true.

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

```
count=0
```

```
until [ ! $count -lt 10 ]
```

```
do
```

```
    echo $count
```

```
    count=`expr $count + 1`
```

```
done
```

# The break Statement

The **break** statement is used to terminate the execution of the entire loop, after completing the execution of all of the lines of code up to the break statement.

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

```
a=0
```

```
while [ $a -lt 10 ]
```

```
do
```

```
    echo $a
```

```
    if [ $a -eq 5 ]
```

```
    then
```

```
        break
```

```
    fi
```

```
    a=`expr $a + 1`
```

```
done
```

# Continue Statement

The **continue** statement is similar to the **break** command, except that it causes the current iteration of the loop to exit, rather than the entire loop.

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

```
NUMS="1 2 3 4 5 6 7"
```

```
for NUM in $NUMS
```

```
do
```

```
    Q=`expr $NUM % 2`
```

```
    if [ $Q -eq 0 ]
```

```
    then
```

```
        echo "Number is an even number!!"
```

```
        continue
```

```
    fi
```

```
    echo "Found odd number"
```

```
done
```