UNIX / LINUX SHELL - THE IF...ELSE...FI STATEMENT

The **if...else...fi** statement is the next form of control statement that allows Shell to execute statements in a controlled way and make the right choice.

Syntax

```
if [ expression ]
then
    Statement(s) to be executed if expression is true
else
    Statement(s) to be executed if expression is not true
fi
```

The Shell *expression* is evaluated in the above syntax. If the resulting value is *true*, given *statement(s)* are executed. If the *expression* is *false*, then no statement will be executed.

Example

The above example can also be written using the *if...else* statement as follows −

Live Demo
```
#!/bin/sh

a=10
b=20

if [ $a == $b ]
then
   echo "a is equal to b"
else
   echo "a is not equal to b"
fi
```

Upon execution, you will receive the following result −

```
a is not equal to b
```