

Conditional Statements

Topics covered ¶

- if
- if-else
- nested if-else

Operators

"<" : Less Than

"<=" : Less Than or Equal to

">" : More Than

">=" : More Than or Equal to

"==" : Equal to

"!=" : Not Equal to

if statement

```
In [1]: num_1 = 6
num_2 = 2

if (num_1%num_2 == 0):
    print ("number 1 is divisible by number 2")
```

number 1 is divisible by number 2

if-else statement

```
In [2]: num_1 = 6
num_2 = 4

if (num_1%num_2 == 0):
    print ("number 1 is divisible by number 2")
else:
    print ("number 1 is not divisible by number 2")
```

number 1 is not divisible by number 2

if - elif - else

```
In [3]: num_1 = 6
num_2 = 2

if (num_1%num_2 == 0):
    print ("%d is divisible %d" %(num_1,num_2))
elif (num_2%num_1 == 0):
    print ("%d is divisible %d" %(num_2,num_1))
else:
    print ("Both numbers are not divisible by each other")
```

6 is divisible 2

Nested if-else

```
In [4]: num_1 = 4
num_2 = 0

if num_2 == 0:
    print ("Division by Zero is not allowed")

elif num_2 != 0:
    if (num_1%num_2 == 0):
        print ("%d is divisible %d" %(num_1,num_2))
    else:
        print ("%d is not divisible %d" %(num_1,num_2))
```

Division by Zero is not allowed