In [2]:
```
#Declare a boolean value and store it in a variable.

b=True
c=False
print(b,c)
```

```
True False
```

In [14]:
```
#Airthmetic operations
print(b+c)
print(b*c)
print(b-c)
print(c/b) #c/b because 1/0 gives zero division error
print(c//b)
print(c%b)
print(b**c)
```

```
1
0
1
0.0
0
0
1
```

In [15]:
```
#Comparison Operations
print(b>c)
print(b<c)
print(b>=c)
print(b<=c)
print()
```

```
True
False
True
False
```

In [16]:
```
#Assignment operations
print(b==c)
print(b!=c)
```

```
False
True
```

In [18]:
```
#Logical Operations

print(b and c)
print(True and True)
print(False and True)
print(False and False)
print(b or c)
print(True or True)
print(False or True)
print(False or False)
print(not b)
print(not False)
```

```
False
True
False
False
True
True
True
False
False
True
```

In [24]:
```
#Bitwise orpeations

print(True & False)
print(True | False)
print(False ^ True)
print(~True)
print(True>>False)
print(False<<True)
```

```
False
True
True
-2
1
0
```

In [26]:
```
#identity operations

a=True
b=False
c=True

print(a is b)
print(a is c)
print(b is not c)
```

```
False
True
True
```

In [39]:

```
#Member Ship opeartions

list=[1,2,3.5,"python",True]
tuple=(3.6,"jki",8,9)
dict={1:1.6,"king":"queen",5:True}

print( True in list)
print(False not in tuple)

print(True not in dict)
print(set)
```

```
True
True
False
{False, 1, 'king', 24, 9}
```

In [ ]:

In [ ]:

In [ ]: