

```
In [5]: print("BOOLEAN VARIABLE")
varA = True
varB = False
print("varA =",varA)
print("varB =",varB)
```

BOOLEAN VARIABLE

varA = True

varB = False

```
In [6]: print("BOOLEAN VALUES")
varA = 10
varB = 25
print("varA =",varA)
print("varB =",varB)

if varA>varB :
    print("varA is greater than varB")
else:
    print("varB is greater than varA")
```

BOOLEAN VALUES

varA = 10

varB = 25

varB is greater than varA

```
In [1]: print("ARITHMATIC OPERATOR")
varA = 65
varB = 25

print("varA =",varA)
print("varB =",varB)
print("THE ADDITION IS\t\t=", varA+varB)
print("THE SUBTRACTION IS\t=", varA-varB)
print("THE PRODUCT IS\t\t=", varA*varB)
print("THE QUOTIENT IS\t\t=", varA/varB)
print("THE REMINDER IS\t\t=", varA%varB)
print("THE EXPONENTIAL IS\t=", varA**varB)
print("THE FLOOR DIVISION IS\t=", varA//varB)
```

ARITHMATIC OPERATOR

varA = 65

varB = 25

THE ADDITION IS = 90

THE SUBTRACTION IS = 40

THE PRODUCT IS = 1625

THE QUOTIENT IS = 2.6

THE REMINDER IS = 15

THE EXPONENTIAL IS = 2102974061628227432379346994459629058837890625

THE FLOOR DIVISION IS = 2

```
In [2]: print("ASSIGNMENT OPERATOR")
varA = 30
varB = 25
varC = 56
varD = 76
varE = 34
varF = 75
varG = 2

print("varA =",varA)
print("varB =",varB)
print("varC =",varC)
print("varD =",varD)
print("varE =",varE)

varA += 5
varB -= 5
varC *= 5
varD /= 5
varE %= 5
varF //= 5
varG **=5

print("THE ADDITION IS\t\t=", varA)
print("THE SUBTRACTION IS\t=", varB)
print("THE PRODUCT IS\t\t=", varC)
print("THE QUOTIENT IS\t\t=", varD)
print("THE REMINDER IS\t\t=", varE)
print("THE FLOOR DIVISON IS\t=", varF)
print("THE EXPONENTIAL IS\t=", varG)
```

ASSIGNMENT OPERATOR

```
varA = 30
varB = 25
varC = 56
varD = 76
varE = 34
THE ADDITION IS      = 35
THE SUBTRACTION IS   = 20
THE PRODUCT IS       = 280
THE QUOTIENT IS      = 15.2
THE REMINDER IS      = 4
THE FLOOR DIVISON IS = 15
THE EXPONENTIAL IS   = 32
```

```
In [3]: print("COMPARISION OPERATOR")
varA = 30
varB = 25

print("varA =",varA)
print("varB =",varB)

if varA == varB:
    print("varA and varB are equal")
else:
    print("varA and varB are not equal")

varC = 15
varD = 50

print("varC =",varC)
print("varD =",varD)

if varC >= varD:
    print("varC is greater than varD")
else:
    print("varD is greater than varC")

varE = 87
varF = 65

print("varE =",varE)
print("varF =",varF)

if varE <= varF:
    print("varE is less than varF")
else:
    print("varF is less than varE")

varG = 87
varH = 65

print("varG =",varG)
print("varH =",varH)

if varG != varH:
    print("varG is not equal to varH")
else:
    print("varG is equal to varH")
```

COMPARISION OPERATOR

```

varA = 30
varB = 25
varA and varB are not equal
varC = 15
varD = 50
varD is greater than varC
varE = 87
varF = 65
varF is less than varE
varG = 87
varH = 65
varG is not equal to varH

```

```

In [4]: print("LOGICAL OPERATOR")
varA = 30
varB = 25
varC = 89

print("varA =",varA)
print("varB =",varB)
print("varC =",varC)

#logical and
if varA>varB and varA>varC:
    print("varA is the greatest value.")
else:
    print("varA is not the greatest value.")

#logical or
if varA>varB or varA>varC:
    print("varA is the greater.")
else:
    print("varA is not the greater value.")

#logical not
if not(varA>varB and varA>varC):
    print("varA is the greater.")
else:
    print("varA is not the greater value.")

```

LOGICAL OPERATOR

```

varA = 30
varB = 25
varC = 89
varA is not the greatest value.
varA is the greater.
varA is the greater.

```

In []:

