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In [4]: #                      ANSWER OF QUESTION NO. 01
# Boolean has two values which is TRUE & FALSE where in this TRUE Is denoted
# by the (1) numeric value and FALSE is denoted by the numeric value (0)
a=10
b=10
c=15
a==b,a==c
```

Out[4]: (True, False)

```
In [ ]: #                      ANSWER OF QUESTION NO.02
# in python there are 3 type of boolean operator:-
#      01=AND(&&)
#      02=OR(||)
#      03=NOT(NOT)
```

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In [7]: ...                      ANSWER OF QUESTION NO.03-

AND boolean operator truth table
0 0 0
0 1 0
1 0 0
1 1 1

OR boolean operator truth table
0 0 0
1 0 1
0 1 1
1 1 1

NOT boolean operator truth table
0 1
1 0

these are the type of boolean operator'''
```

Out[7]: 'AND boolean operator truth table\n0 0 0 \n0 1 0\n1 0 0\n1 1 1\n\nOR boolean operator truth table\n0 0 0\n1 0 1\n0 1 1\n1 1 1\n\nNOT boolean operator truth table\n0 1\n1 0\n\nthese are the type of boolean operator'

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In [ ]: ...                      ANSWER OF QUESTION 04
01
(5>4) AND 3==5
      1      0
      TRUE   FALSE   -----FALSE(0)

=====
02=
NOT(5>4)
      0
      FALSE-----TRUE(1)

=====
03=
(5>4) OR 3==5
      1      0-----TRUE(1)
```

```

TRUE      FALSE
=====
04=
NOT((5>4) OR(3==5))
FALSE      FALSE-----FALSE(0)
0          0
=====
05=
(TRUE and TRUE) and (TRUE == FALSE)
1          1          1          0
          1          0-----FALSE(0)
=====

```

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In [ ]: '''                                ANSWER OF QUESTION NO.05
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1 < GREATER THAN
2 > LESS THAN
3 <= GREATER OR EQUAL TO
4 => LESSER OR EQUAL TO
5- == EQUAL TO
6= != NOT EQUAL TO '''

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In [ ]: '''                                ANSWER OF QUESTION NO 06
```

```

EQUAL TO IS LIKE (==)
ASSIGNMENT IS LIKE (=)

equal to means -
if we have two variables
a=10
b=10
here we can easily seen that the value of a is 10 and value of b is also 10
means a==b its give result as boolean value 1 which is true

and the a=10 we see the value 10 is store in variable a
a=10 value 10 is assignn to a '''

```

```
In [ ]: ''' answer no 07
```

```

first block starts from

if spam==10 to print('eggs')

second block starts from

if spam>5: to print('bacon')

third block starts from

else: to print("spam")

these are 3 block under this code

```

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In [ ]:
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```
"""answer no 08
spam=int(input("enter value for spam"))
if spam==1:
    print("Hello")
elif spam==2:
    print("howdy")
else:
    print("Greertings!")"""
```

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In [ ]: #this is the submission of python basic assingnment 02
```