Title : Python Basic Assignment_2
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1.What are the two values of the Boolean data type? How do you write them?

- True

- False

2. What are the three different types of Boolean operators?

- and , or, not

3. Make a list of each Boolean operator's truth tables (i.e. every possible combination of Boolean values for the operator and what it evaluate).

A	B	AND operator Output	OR operator Output
0	0	0	0
0	1	0	1
1	0	0	1
1	1	1	1

Not operator

A= 1 , output =0

4. What are the values of the following expressions?

(5 > 4) and (3 == 5) **-> False**

not (5 > 4) **-> False**

(5 > 4) or (3 == 5) **-> True**

not ((5 > 4) or (3 == 5)) **-> False**

(True and True) and (True == False) - **-> False**

(not False) or (not True) **-> True**

5. What are the six comparison operators?

- **>,<,=,!=,>=,<=**

6. How do you tell the difference between the equal to and assignment operators?Describe a condition and when you would use one.

- = is assign operator , to assign value to variable , i.e a=5

- == is equal to operator , to compare to variable i.e 5==9

7. Identify the three blocks in this code:

spam = 0

if spam == 10:

print('eggs')

if spam > 5:

print('bacon')

else:

print('ham')

print('spam')

print('spam')

- output = ham spam spam

8. Write code that prints Hello if 1 is stored in spam, prints Howdy if 2 is stored in spam, and prints Greetings! if anything else is stored in spam.

```
- if spam=="1":
   print("Hello")
elif spam=="2":
   print("Howdy")
else:
   print("Gretting")
```

9.If your programme is stuck in an endless loop, what keys you'll press?

- CTRL + C

10. How can you tell the difference between break and continue?

11. In a for loop, what is the difference between range(10), range(0, 10), and range(0, 10, 1)?

- all three are same

12. Write a short program that prints the numbers 1 to 10 using a for loop. Then write an equivalent program that prints the numbers 1 to 10 using a while loop.

```
- for i in range(1,11):
    print(i)
```

```
-
```

```
a=0
while a<10:
    a=a+1
    print(a)
```

13. If you had a function named bacon() inside a module named spam, how would you call it after importing spam?

```
## Method 1
import spam
spam.bacon()

## Method 2
import spam as sp
sp.bacon()
```