1.What are the two values of the Boolean data type? How do you write them?

Ans. True , False

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

Ans. It’s also called as a logical 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 ).

Ans . AND operator

(12>4) and (5>4)and(34>4)and(6>5)and(3=4)

Answer will be False

2. or operator

(12>4) or (5>4)or(34>4)or(6>5)or(3=4)

Answer will be True

3. NOT

Not always change the result of the answer

4. What are the values of the following expressions?

(5 > 4) and (3 == 5)

not (5 > 4)

(5 > 4) or (3 == 5)

not ((5 > 4) or (3 == 5))

(True and True) and (True == False)

(not False) or (not True)

Ans . False

False

Flase

False

True

5. What are the six comparison operators?

The < (less than), > (greater than), <= (less than or equal), and >= (greater than or equal)

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

Ans.

* Arithmetic operators
* Assignment operators
* Comparison operators
* Logical operators
* Identity operators
* Membership operators
* Bitwise operators

And equal to means it’s a simple variables values like

A=”aman”

B=”sameer”

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')

Ans.

Answer will be 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("greetings")

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

Ans. CTRL + C

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

Ans. Break = if we want to break your loop on the specific value so we can break our loop

Continue= its works in loop if you want to continue your loop on the specific value so can do it with the use of continue

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

Ans. Range(10) = 0 to 9

Range(0,10) = 0 to 9

Range(0,10,1) = 0 to 9

Values are same in every condition

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(10):

Print(i)

I=100

While i<=10:

Print(i)

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

Ans. bacon