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

Ans:- The two values of data types such as true and false and we write them as first letter uppercase and rest letter in lowercase. Because it is case sensitive.

Example :- True and False

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

Ans:- Three different types of Boolean operators are and, or and 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:-



4. What are the values of the following expressions?

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

False

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)

5. What are the six comparison operators?

Ans:- <,>,==,!=,<=,>=

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

Ans:- Both are different “ = “ is use to store the value of variable in the memory whereas as assignment operator == is use to compare the condition on both side.

While choice== 0 then this mean we are comparing values and giving condition.

7. Identify the three blocks in this code:

spam = 0 (Module)

if spam == 10:(Function)

print('eggs')(Class)

if spam > 5:

print('bacon')

else:

print('ham')

print('spam')

print('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.

spam =3

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:- I use Ctrl – C is program stuck

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

Ans:- Break is use to end the loop at the particular point in the syntax

Continue is use to delete the particular syntax from loop and rest loop work in same way.

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

Ans:- All have same meaning but way of presenting is different

Range(10) means:- 0,1,2,3,4,5,6,7,8,9

Range(0,10) means:- 0,1,2,3,4,5,6,7,8,9

Range(0,10,1) means :- 0,1,2,3,4,5,6,7,8,9

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.

Ans:- For Loop

i =0

for i in range(1,11):

print(i)

While loop

i=1

while i<11:

print()

i=i+1

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

Ans:- We can call it as :-

spam.bacon()