1. What are the Boolean data type's two values? How do you go about writing them?

Ans. True,False. Eg: if (True):

Some task

else:

Some task

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

Ans. 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 OR Not Xor

In1 in2 res in1 in2 res in out in1 in2 res

T T T T T T T F T T F

T F F T F T F T T F T

F T F F T T F T T

F F F F F F F F F

4. What are the values of the following expressions?

(5 > 4) and (3 == 5) Ans. 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 different types of reference operators?

Ans. >, >=, <, <= , ==, !=

6. How do you tell the difference between the equal to and assignment operators?

Ans. Equal to operator: ==

Assignment operator: =

7. Describe a condition and when you would use one.

Ans. Condition evaluates True or False.When we want to perfume certain type of actions if condition is met…then we go with conditional statements like if statement.

8. Recognize the following 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: spam.. a s condition returns false it will not execute if stattements..

9. Create a programme that prints. If 1 is stored in spam, prints Hello; if 2 is stored in spam, prints Howdy; and if 3 is stored in spam, prints Salutations! if there's something else in spam.

spam=int(input("enter 1 or 2 or 3"))

if(spam==1):

  print("hello")

elif(spam==2):

  print("howdy")

elif(spam==3):

  print("salutations")

else:

  print("others")

10.If your programme is stuck in an endless loop, what keys can you press?

Ans: press cntrl+c

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

Ans:in break statement:it comes out of the loop if condition is met..

In continue statement,it skips below statements after continue, and continue executing with next iteration.

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

Ans. All are same.it iterates from 0 to 9.that is 0,1,2,3,4,5,6,7,8,9

13. Using a for loop, write a short programme that prints the numbers 1 to 10 Then, using a while loop, create an identical programme that prints the numbers 1 to 10.

Ans:

for i in range(1,11,1):

  print(i)

using while loop:

i=1

while(i<=10):

  print(i)

  i=i+1

else:

  print("")

14. If you had a bacon() function within a spam module, what would you call it after importing spam?

Ans.Spam.bacon