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

Ans : Two types True and False.

We have to write this as True and False

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

F F = F

F T = F

T F = F

T T = T

OR

T T = T

F T = T

T F = T

F F = T

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 different types of reference operators?

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

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

Ans : == this is represents for qual to   
= This is represents to assignment operators

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

Ans.

salary = int(input ("My monthly income ="))

if salary <= 1000 and salary >= 500:

print ("I will buy Toy")

elif salary > 1000 and salary <= 2000:

print ("I will buy smart watch")

else:

print ("I will go for saving")

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')

Ans : spam  
Three elements  print('eggs'),print('bacon'), print('ham'), print('spam')

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("Input a number"))

if spam == 1:

print ("Hello")

elif spam == 2:

print ("Howdy")

elif spam == 3:

print ("Salutations!")

else :

print ("There is something Else in Spam")

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

Ctrl+c

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

Break : To break a loop or chain, used for while and for loop

Continue : Continue a statement skip the rest loop.

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

range(10) : it generates arithmetic progression.

range(0,10) : range ( begin, end)

range(0, 10, 1) : range ( begin, end, jump/step)

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.

**Prints Number 1 to 10 using for Loop:**

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

**Prints Number 1 to 10 using while Loop:**

number = 10

i = 1

while i <= number:

print (i)

i += 1

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

Ans: This function is called spam.bacon().