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

Ans)True and Flase

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)

True & True = True

True & Flase = Flase

True or Flase = True

True not True = Flase

4. What are the values of the following expressions?

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

Ans)Flase

not (5 > 4)

Ans)Flase

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

Ans)True

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

Ans)Flase

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

Ans)Flase

(not False) or (not True)

Ans)True

5. What are the six comparison operators?

Arithmetic Operators

Comparison (Relational) Operators

Assignment Operators

Logical Operators

Bitwise Operators

Membership Operators

Identity Operators

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

Ans) If a == 4 :

print("ji")

Ans)a +=1 adding Assignment operator at right side

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)

print('eggs')

print('bacon')

print('ham')

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.

a = 1

if a == 1:

print("hi")

elif a == 2:

print("how")

else :

print("geetings")

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?

1)Break :-it breaks the loop if condition is true

2)Continue:-except the condition or step will not excute

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

no difference

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.

1)for

for i in range(1,10):

print(i)

2)while loop

a = 0

while a < 10:

a = a+1

print(a)1

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

def bacon(spam):

return "spam"

bacon("ji")