1.What are the two values of the Boolean data type? How do you write them?: **Ans**- flag:bool=True , flag:bool=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:

== :

True==True (True)

True== False(False)

False==True(False)

False== False( True)

And Table:

True and True(True)

True and False(False)

False and True(False)

False and False(False)

OR Table:

True or True (True)

True or False(True)

False or True(True)

False or False(False)

Not table:

Not True (False)

Not False(True)

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 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: Assignment Operatior- Assigning a value to an variable , ex a=5 , b=”hello”

Equal to is to comparing two values , ex: 4==5

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')

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”)

if spam ==2:

print(“Howdy”)

else:

print(“Greetings”)

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

Ans: esc (break)

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

Ans : Break- break the execution(loops), continue- Continue execution

11. In a for loop, what is the difference between range(10), range(0, 10), and range(0, 10, 1)? Ans :All 3 are same

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 loope:**

For i in range(10):

Print(i)

**While loope:**

i=0

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**: from Spam import bacon