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

True

False

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

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 ).

True and true = true

False and true = false

False and false = false

Not false = true

Not true = false

True or true = true

False or true = true

False or false = false

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?

==,<,>,<>,<=,>=

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

Equal to is denoted by == , example : if b== 1 :

Assignment is denoted by =, example : b= 1 ,here we are assigning value to b variable.

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.

spam = int(input("Enter 1 for List Down the PDF File"))

if spam ==1:

print("Hello")

elif spam==2:

print("Howdy")

else:

print("Greeting!:")

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

Ctlr + c

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

Break instruction is used for stop the execution at any point in code and execution of code will search continue instruction in code to resume the execution of code

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

Range (10): It will execute from 0 to 9

Range (0,10):it will execute from 0 to 9

Range (0,10,1):it will execute the from 0 to 9 and increment by 1

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 loop program

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?

from spam import bacon

test.bacon()