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

True,False

I=True

B=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 ).

And operator combination

True and true =true

True and false =False

False and True = False

False and False= False

OR operator combination

True or False= True

True or True = True

False or True = True

False or False =False

Not operation combination

True Not False

False Not 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?

== equals to equals to

<= less then equals to

>=greater then equlas to

!=not equals to

<greater then

> less then

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

A=10: here we are using the equals to assignment operator to assing a value to the variable A

Where as b==10 is showing that b should be equlas to to equals to 10

7. Identify the three blocks in this code:

spam = 0

if spam == 10: (Block1)

print('eggs')

if spam > 5 (Block 2)

print('bacon')

else: (block3)

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 the number "))

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 statement stops the look.

Continue statement allows the loop to go ahead with the next condition.

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

Range(10),range (0,10) and range(0,10,1)

Would print from 0 to 9 excluding 10 same is for range (0,10) and in the last example we are showing a jump of 1 which would also create the same results as other 2

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.

num=1

for i in range(0,10):

print(num+i)

n = 1

while n <= 10:

print(n)

n = n+1

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

Spam.bacon()