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

TRUE and False and we write in 0 and 1

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 ).

4. What are the values of the following expressions?

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

Ans: False

not (5 > 4)

Ans: False

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

Ans: True

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

ans: False

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

Ans: False

(not False) or (not True)

Ans: 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.

Ans: Assignment Operator it is used to assign the value of variable or expression, equal operators are used to compare.

7. Identify the three blocks in this code: blocks are notihng but A new block begins every time you increase the indentation of a line, and ends just before the corresponding unindent.

spam = 0

if spam == 10: # Bloack A

print('eggs')

if spam > 5: Block B

print('bacon')

else: Block C

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())

if spam ==1:

print("Hello")

elif spam ==2:

print("Howday")

else:

print("greeting")

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

Ans: CONTROL + C

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

Break : it terminates loop once condition meets

Continue: skip the code for current iteration only

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

all three of these range functions produce the same output. all three of these range functions produce the same output

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.

Ans:

for i in range(0,11):

print(i)

using while loop:

i = 0

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?

One way:

import spam

spam.bacon()

other way:

from spam import bacon

bacon()