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

A) 2 boolean data types are True and False

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

A) 3 types of boolean operators are 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 ).

A) X Y and or not(X) not(Y)

1 1 1 1 0 0

1 0 0 1 0 1

0 1 0 1 1 0

0 0 1 1 1 1

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?

A) ==,!=,>=,<=,>,<

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

= is used to assign value to the variable

== is used to compare 2 values

ex: a = 2 2 is assigned to a

a == 2 comparing if value in a is 2

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?

1. Ctrl + C

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

Break condition terminates the current loop and executes next statement whereas continue is present the code below does not execute and the next iteration of the loop will take place.

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

A) All the above statements print numbers from 0 to 9.

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.

A) for i in range(1,11):

print(i)

—------------------------------------------------

i = 1

while(i<=10):

print(i)

i ++

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

A) bacon()