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

true and false.

print(bool(“dinesh”)) = True

print(bool()) =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

1+1=1

1+0=0

0+1=0

0+0=0

OR

1+1=1

1+0=1

0+1=1

0+0=0

NOT

0 = 1

1 = 0

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?

= equal to

!= not equal to

> greater than

< less than

>= greater than equal

<= less than equal

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

= assignment operator

if a==b

a=10

7. Identify the three blocks in this code:

spam = 0

if spam == 10:

print('eggs') Block A

if spam > 5:

print('bacon') Block B

else:

print('ham') Block C

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=input()

if spam=="1":

print("hello")

elif spam=="2":

print("howdy")

else:

print("Greetings")

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

Ctrl+C

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

break will end the loop immediately while continue will skip his conditions and go next

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

There is no difference as all of these give the same output 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.

n=int(input("enter number : "))

for i in range(1,n+1,1):

print(i)

n=0

while n<10:

n=n+1

print(n)

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

import spam

a = spam.bacon()