1. In the below elements which of them are values or an expression? eg:- values can be integer or string and expressions will be mathematical operators.

\*

'hello'

-87.8

-

/

6

ANS :- VALUES are (‘hello’,-87.8) and expression are (-, / ,+ , 6)

2. What is the difference between string and variable?

ANS:- String are combination of alphabets and number basically a word.

Variables are where we can store any amount of data .

Eg:- s = ‘This is my first program’

Over here s is variable and ‘This is my first program’ is string.

3. Describe three different data types.

1). Int

2).str

3).float

4. What is an expression made up of? What do all expressions do?

Ans – The statement comprising of operators and operands are called expression. Expression will evaluate statement to a single value.

Eg :- 5+5-3 ----> this is expression and the calculation of this statement ‘7’ is what expression will do

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?

Ans – Statements is basically an action or command*.*

Expression is a combination of operators and operands

Eg:- print (5 \* 5) print is a statement and 5 \* 5 is expression.

6. After running the following code, what does the variable bacon contain?

bacon = 22

bacon + 1

Ans - 23

7. What should the values of the following two terms be?

'spam' + 'spamspam'

'spam' \* 3

Ans - 'spamspamspam'

8. Why is eggs a valid variable name while 100 is invalid?

Ans- 100 is a literal number you cannot assign values to any value.

9. What three functions can be used to get the integer, floating-point number, or string version of a value?

Ans – integer = int()

Floating-point number = float()

String = str()

10. Why does this expression cause an error? How can you fix it?

'I have eaten ' + 99 + ' burritos.'

Ans – Because we are trying to concatenate the int with string which is not possible first we have to convert int to string.

Eg:- 'I have eaten ' + str(99) + ' burritos.'