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.

\* : expressions

'hello' : values

-87.8 : values

- : expressions

/ : expressions

* : expressions

6 : values

2. What is the difference between string and variable?

sol : String - string will be stored in single or double quotes. ex. "Bahuddin" or 'Bahuddin'

variable: In which we can store a data as container.

3. Describe three different data types.

sol: List , Integer , Float.

List : In which the multiple data items can be stored in a single variable.

Integer : In which only numerical values can be stored.

Float : In which floating values can be stored . ex: 7.3 ,123.33, 456.789 etc..

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

sol : Expression is made up of values, containers, and mathematical operators (operands) e.g

a = 2 + 3 and expressions are used to evaluate the values or represent the result on the screen

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

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

bacon = 22

bacon + 1

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

'spam' + 'spamspam'

'spam' \* 3

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

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

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

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