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

Answer: Values= ‘hello’, -87.8, 6 Expression= \*, - , / , +

2. What is the difference between string and variable.

|  |  |
| --- | --- |
| **String** | **Variable** |
| Double or single Quotes are required to represent string | No double or single Quotes are required to represent variable. |
| It acts like a data | It acts like a storage for data |
| It is constant | It varies N number of time during execution |

3. Describe three different data types

Ans:

Int type: this data type allow users to enter only positive or negative whole number

example:1,2,3,-5,0,-1

List type: any data either a number or a alphabets or a combination of number,alphabets enclosed in square bracket known as list

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

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.'