**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.**

\* → Expression

'hello' -->Value

-87.8 –> Value

- -->Expression

/ -->Expression

* -->Expression

6 –> Value

**2. What is the difference between string and variable?**

String is datatype

Variable holds the data

**3. Describe three different data types.**

Int → i=10

String → S= ‘iNeuron’

List → L=[‘a’,’c’,’g’,asd’]

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

A programming expression is combination of variables or values and mathematical operators .

Result of an expression come downs to a single value.

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

A statement is an instruction, expression can be part of that statement.

Result of an expression come downs to a single value.

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

**bacon = 22**

**bacon + 1**

23

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

**'spam' + 'spamspam'**

**'spam' \* 3**

‘spamspamspam’

‘spamspamspam’

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

A Variable name must start with a ‘Char’ or ‘\_ ‘ otherwise compile time error occurs.

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

Int()

str()

float()

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

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

Error reason: 99 is an int, while 'I have eaten ' and ' burritos.' are string.

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