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'->string value

-87.8 ->float value

- ->expression

/ ->expression

* ->expression

6 ->integer value

2. What is the difference between string and variable?

Ans=variable is used to store information and string is a information.

name=‟ineuron” -> represent a string

Here name is variable

Ineuron is string

3. Describe three different data types.

Ans= int ,1,2->represent the integer type

String “ineuron” ->represent the string type

Float,1.23 ->represent the float data type

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

Ans= An expression is made from two operand and some kind of operation is performed them.

a+b is an expression and expression do mathematical operation and show as result.

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

Ans= An expression calculate and gives the result but the aasignment statement store the value

Here spm is a int variable which has value of 10.

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= Both gives the same answer ‘spamspamspam’

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

Ans= 100 is a int value and int value can not be used to define a variable.

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

Ans= int()

Str()

Float()

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

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

Ans= Here we are trying to add string with integer value it will throw an exception named as Type error.