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

1. What is the difference between string and variable?

A string is a text value while variable is the container to store any kind of values like string, float,boolean,integer etc.

1. Describe three different data types.

Numeric data type:

It includes int,float,and complex data types.Int data types contains integer values,while floats are carrying decimal values and complex datatype carries complex numbers.

String data type:

String carries character data.ie, text values.

Boolean data type:

It contains True or False values.

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

An expression is made up of variable,values ,operators and functions.Expressions are need to be evaluated.

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

A statement performs some action such as printing, looping, if statement,but expressions produce values and we can assign these values to new variables.

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

bacon = 22

bacon + 1

22

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

'spam' + 'spamspam' -spamspamspam

'spam' \* 3 -spamspamspam

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

Variable names can be alpha-numeric and underscores

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

int()

float()

str()

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

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

String value cannot be added with integer value