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'=string

-87.8=integer

- =expressions

/ =expressions

* =expressions

6 =integer

2. What is the difference between string and variable?

Ans)A variable is used to store information and string is one of the type of information which can be store with the help of variable.

Example :String x=”Hello World”

Here x is the variable in which string data type information is store.

3. Describe three different data types.

Integer, Float, Boolean this are the data types.

Integer: It help us to store integer value

Eg.34, 2, 1

Float: It help us to store decimal value.

Eg.3.14, 3.45

Boolean: It help us to store true or false value.

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

Ans) An Expression is made up of operators and operands. It help us to interpreted to produce some other value. With the help of expression you can represent any value.

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

Ans) When we talk about expression so it is a combination of value and function with the help of that we can get a new value. And for statement it is just a standalone unit of execution and doesn't return anything.

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' ='spamspamspam'

'spam' \* 3 ='spamspamspam'

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

Ans) When we assign eggs as a variable it is correct and as per the rule to declare a variable you can not declare only integer as a variable name it will throw you syntax error.

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

Ans) The int(), float(), and str() functions will evaluate to the integer, floating-point number, and string versions of the value.

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

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

Ans) In this expression two of them are string and one is integer and we cannot concatenate string and integer together. To fix this we have to change the integer to string value.

It will show like this= ‘I have eaten’ +’99’+’burritos’