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' - Values

-87.8 – Values

- - Expression

/ - Expression

* - Expression

6 - Values

2. What is the difference between string and variable?

A variable is basically the name of the location in the primary memory of the computer. This can be chosen by us. A variable can store everything from strings to numbers. A string is the values inside the quotes assigned to a string.

3. Describe three different data types.

1. String

2. Integer

3. Float

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

An expression is a construct made up of variables, operators, and method invocations, which are constructed according to the syntax of the language, that evaluates to a single value.

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

An expression evaluates to a single value. A statement does not.

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

bacon = 22

bacon + 1

bacon will contain 22 only

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?

Cannot assign to literal

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

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

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

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

Because concatenation of string to integer is not possible, string to string concatenation is possible