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?

(A) A Variable is a store of information and a String is a type of information that would store in a Variable.

3. Describe three different data types.

(A) The three data types are: string, integer, floating.

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

(A) An expression is a combination of values and operators. All expressions evaluate (that is, reduce) to a single value.

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

(A) 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

(A) The bacon variable is set to 22. The bacon + 1 expression does not reassign the value in bacon (that would need an assignment statement: bacon = bacon + 1).

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

'spam' + 'spamspam'

'spam' \* 3

(A) Both expressions evaluate to the string 'spamspamspam'.

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

(A) Because the variable names cannot begin with a number.

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

(A) 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.'

(A) The expression causes an error because 99 is an integer, and only strings can be concatenated to other strings with the + operator. The correct way is 'I have eaten ' + str(99) + 'burritos.'.