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*

-87.8 : *Integer*

- : *expression*

/ : *expression*

* : *expression*

6 : *Integer*

2. What is the difference between string and variable?

String is a constant value refers to text whereas variable is a value which can be stored and assigned to a string.

3. Describe three different data types.

Integer: This data type is whole numeric number ranging from +1 to -1

Float: Any numeric value with decimals

Boolean = value either TRUE or FALSE

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

These are combinations of operators & variables to produce a value.

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

Expressions are data types which can provide value or results with combination of operators.

Statement is a commend or a function.

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

bacon = 22

bacon + 1

23

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

'spam' + 'spamspam'

'spam' \* 3

= spamspamspam

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

Eggs represent a logical name or naming for a function whereas numbers cannot assign them as variable names as those are not representing in logical way.

9. 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.'

Right expression: ‘I have eaten 99 burritos.’ Or “I have eaten ‘+99+’ burritos.”

The statement should start wither with double quotes and within expression with single quotes or vice versa.