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 variable is a store of information and string is a type of information would store in variable.

3. Describe three different data types.

1) Float: float can store only floats variable like44.444, 22.34

2)List : the list is used for storing multiple data items in a single variable.

3)Interger: Integer can store only numeric values.

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

- Expression is combination of operators and operands that is interpreted to produce some other values.

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

-Expression is made up of values,containers and mathematical operators and statement is like just a command that a python interpreter executes like print.

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

bacon = 22

bacon + 1

----23

Solution will be the same.

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?

Because we can’t start giving variable an integer name, if we should begin with a string like alphabet e100 or egg100 is valid.

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

Str(), float(),int()

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

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

Because 99 is an integer it cannot be concantenated with strings, if we have to concatenate we need to do typecasting.