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?

String is a data type which defines the type of variable.

Variable is used to store any type of data

3. Describe three different data types.

1. Integer - Used to store integer values. eg- x = 44
2. String - used to store a sequence of characters. eg- y = 'hello'
3. Float - used to store floating values . eg- z = 33.43

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

Combination of operators and operands. eg- x=a+b

Expressions are used to get some results.

5. This assignment statements, like spam = 10. What is the difference between an

expression and a statement?

Statement is used to create variables or display variables.

Expression is used to produce value or result

spam = 10 is a statement

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

bacon = 22

bacon + 1

22

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?

Variable should not start with Integers, that is why 100 is invalid and egg is valid.

9. What three functions can be used to get the integer, floating-point number, or string

version of a value?

Integer - int()

floating-point - float()

string- str()

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

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

Because 99 is not a string.

'I have eaten' + str(99) + 'burritos.'