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.

\* - Expressions

'hello' - Value

-87.8 - Value

- - Expressions

/ - Expressions

* Expressions

6 - Value

2. What is the difference between string and variable?

Variable- In it you can store any information.

String – string is a type fo information you can store it in Variables it is denoted by (“” ‘’)

3. Describe three different data types.

Integer – In this form of data type you can store any numeric discrete data.

Float – In this form you can store data in continuous form.

String - In this form you store any type of data ain quotes “” ‘’

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

expressions are things that are intended to result in a value.

Expressions represent something,

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

Expressions represent something, while statements do something.

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

bacon = 22

bacon + 1

Ans - 23

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

'spam' + 'spamspam'

'spam' \* 3

'spamspamspam'

'spamspamspam'

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

A variable can be only assigned in alphabetically manner, as 100 is numerical value it can not be assigned as Variable

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

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

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

This expression gives error because string can only be concatenated with string for solving the error you need to run it as 'I have eaten ' + ' burritos.'