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.

\*

'hello' (v)

-87.8(v)

- (ex)

/ (ex)

* (ex)

6 (v)

2. What is the difference between string and variable?

 A variable is the name of the location in the primary memory. In a variable we can store any  data types, for example String.

3. Describe three different data types.

Integers, floating-point numbers, and strings.

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

An expression is a combination of values, variables, operators, and calls to functions

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

An expression evaluates to a value. A statement does something

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'

///'spamspamspam'

'spam' \* 3

//'spamspamspam'

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

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?

 int(), float(), and str()

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

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

TypeError: can only concatenate str (not "int") to str

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