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' - Values

-87.8 = Values

- > expressions

/ > expressions

* > expressions

6 > Values

2. What is the difference between string and variable?

Variable -> Variable will store the information.

String - > String is type of information you would store in a variable.

3. Describe three different data types.

Numeric Data type

Boolean Data type

Dictionary Data type

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

Expression is a combination of operands and operators. Expressions are used to compute and to assign values to variables

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

A statement is not evaluated for some results. A statement is used for creating variables or for displaying values.

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 name cannot begin with numbers hence 100 is invalid

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

int() , float() , and str( ) functions will evaluate to the integer, floating-point number, and string versions of the value passed to them

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

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

Strings only can be concatenate with strings while 99 is number, convert to string and should work

Correct - > I have eaten ' + str(99) + ' burritos.