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' - values

-87.8 – values/float

- expressions

/ expressions

* expressions

6 values

2. What is the difference between string and variable?

String is data type and type of information and Variable is a store of information. You can refer to the variable.

String starts and ends with quotes.

3. Describe three different data types.

Ans. Numeric, String and Boolean.

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

Ans. Expression is combination of values and operators. All expressions evaluate to a sinle value.

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

Ans. Evaluation of an expression always produces or return a result value while statement can’t.

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?

Ans. Variable name can’t begin with the Number.

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

Ans. int(), float(),str()

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

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

Ans. The expression will cause an error as 99 is an Integer and only string can be concatenated. Correct way is below.

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