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 type of variable. A variable can hold any type of value like Integer, String, Boolean, List, Tuple, Dictionary, Set. A String variable is something which consists of alphabets.

3. Describe three different data types.

List – Combination of different type of variables.

Boolean – True or False.

Dictionary – a key value pair combination.

4. What is an expression made up of? What do all expressions do?  
An expression is an operator which acts on certain values. We can apply expressions to multiple values to get an output.

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?  
Expression helps us operate on variable to get an output. A statement would the way to achieve it.

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? We cannot assign value to a literal.

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

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

'I have eaten ' + 99 + ' burritos.' We are trying to concatenate different type of data types. Solution could be 'I have eaten ' + ‘99’ + ' burritos.'