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**

- **Value**

/ **Expression**

* **Expression**

6 **Value**

2. What is the difference between string and variable?

**String is a non-numeric value**

**A variable is where we can store a value**

3. Describe three different data types.

**String, Int, float**

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

**An expression is the combination of Values and Operators**

**An expression is the representation a value**

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

**In simple term, expression returns something, statement doesn’t return anything**

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

bacon = 22

bacon + 1

**22**

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 start 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, str**

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

'I have eaten ' + 99 + ' burritos.' **Cannot add string with integer, the correct expression is**

**'I have eaten ' + ‘99’ + ' burritos.'**