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**

/ **Value**

* **Value**

6 **Expression**

2. What is the difference between string and variable?

**String is a value that contains a text data type. Variable is an object that we can assign an expression to.**

3. Describe three different data types.

**Integer, String, Float**

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

**Expression can be text or number. All expression represents certain data as a text or number.**

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

**An expression represents a data.**

**Here statement assigns an expression to variable.**

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'

'spam' \* 3

**spamspamspam**

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

**Variable can only be a text data. An integer or float cannot be a variable.**

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

**Integer – int()**

**Floating point number – float()**

**String – str()**

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

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

**String and integer cannot be appended. Appended values have to be of same data type.**

**Corrected expression:**

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