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?

**Variable is data type which is varied from one value to other while string is group of characters.**

3. Describe three different data types.

**Int – Integer value**

**Float-Float values**

**String—group of characters, words etc..**

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

**Expression made up of +-\*/,= they are used in performing mathematical computations.**

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

**Spam=10 is statement while “=” is an expression.**

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?

Integer value can’t be a valid variable name.

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

**Int**

**Float**

**String**

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

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

99 represents integer value and two different data types cant be operated together.

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