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 specific data type which contains string of characters**

**Variable are containers for storing values can be any data type**

3. Describe three different data types.

**Int**

**Str**

**Bool**

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

**Expression is made of set of variables and operators. With expression we can perform mathematical operations**

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

**Expression are to evaluated and results are to be obtained. Statement are instructions given while interpreting the code**

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’**

**'spamspamspam’**

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

**In python, variable should start with alphabet and not on numerical values**

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.'

**Containes hetrogenous datatype of int and str. Replace 99 to ‘99’**