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 data (Alphabetical letters) input**

**Variable: Is a designator to store a required data to recollect in program whenever needed (This can be Alpha or alpha numeric but not numeric)**

3. Describe three different data types.

**String, Integer, Float, Complex number, Boolean operators, Tuple, List, set, Dictionary**

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

**Expressions are used for mathematical/other functions to make an output from given input**

**Ex: +, -, \*, and /**

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

**Could not understand the question**

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

bacon = 22

bacon + 1

**bacon will contain 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 can be Alphabets or Alphanumeric, Numeric cannot be assigned as Variables**

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

**int(), float() and str()**

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

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

**Here we are trying to add/express string with Integer, if the code updated to 'I have eaten ' + '99' + ' burritos.' Then this issue will be resolved**