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?

**A string is a type of datatype which is used to store words or statements while a variable is a instace of memory which is used to store values of different datatypes.**

3. Describe three different data types.

**INT, FLOAT, DOUBLE**

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

**An expression is made up of operators, or a set of operators and values (Operands).**

**All expressions are written to perform a particular operation, in order to get required solution.**

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

**Expression is representing the values, here spam is representing the value 10. While statement is a set of instructions that is used to perform some task.**

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

bacon = 22

bacon + 1

**o/p - 22**  #incremented value of bacon is not stored in itself.

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?

**eggs is a variable name which can store different values. While 100 is a constant which has fixed value.**

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.'

**We are trying to concatenate string with integer value, so it will throw error.**

**We can fix it by typecasting int to string and then concatenating. 'I have eaten ' + str(99) + ' burritos.'**