1. **What are the differences between operators and values in the following?**

Operators are special symbols in Python that carry out arithmetic or logical computation. Value is the result we get after these computation

* - Multiplication operator

'**hello**' -String value

-87.8 – Float value

- - Subtraction operator

/ - Division operator

+ - Addition operator

6 – Integer value

2. **What is the difference between string and variable?**

Spam – It is a variable it store data or information

'**spam**'- It is a string. It is a type of information stored in variable

3. **Describe three different data forms.**

Integer, float and string are three different type of data type.

Integer - Integers are numbers with no decimal parts, eg:- -5, -4, -3, 0, 5, 7

Float- Float refers to numbers that have decimal parts, eg:- 1.234, -0.023, 12.01.

String - String refers to text information.

4. **What makes up an expression? What are the functions of all expressions?**
An expression is an instruction that combines values and operators and always evaluates down to a single value.

5. **In this chapter, assignment statements such as spam = 10 were added. What's the difference between a declaration and an expression?**

Declaration means we are putting a variable under a specific data type. An expression is a combination of variables, operations and values that yields a result value.

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

bacon = 22

bacon + 1

Output:-

23

Output of both the statement will be:-

'spamspamspam'

100 cannot be a variable because first character in variable number cannot be a number it should be always letter

int() function in Python takes in a float or an appropriate string and converts it to an integer.

float() function takes in an integer or an appropriate string and changes it to a float.

str() function on the other hand converts an integer or a float to a string.

TypeError will be shown because we are adding two string and one int which is not possible.

We can correct it by writing:-

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

Output:-

'I have eaten 99 burritos.'