Python Basic Assignment\_01

* 1. Value
     1. Integer: - -87.6,6
     2. String: - ‘hello
  2. Mathematical Expression: -\*, -, +, /

1. String is a datatype whereas variable is a kind of entity where we care able to store a data, which we can process in runtime.

We can write string like this: - “Hello”, ‘Hello’

* 1. int data type: We can use int data type to represent whole numbers (integral values)
  2. float data type: We can use float data type to represent floating point values (decimal values)
  3. complex data type: Complex number is represented by complex class. It is specified as (real part) + (imaginary part) j.

1. Expression is made up of values, variables, and mathematical operators (operands) and expressions are used to evaluate the values or represent the result on the screen.

Example :- a= 10+20

* 1. An expression is a combination of values, variables, and operators. When we type an expression at the prompt, the interpreter evaluates it, which means that it finds the value of the expression.
  2. **A** statement is a unit of code that has an effect, like creating a variable or displaying a value. When we type a statement, the interpreter executes it, which means that it does whatever the statement says. In general, statements don’t have values.

1. **Bacon = 22**

**Bacon + 1**

**So Bacon = 23**

1. The value of two term will be same i.e. ‘spamspamspam’
2. As per rule python Variable names cannot begin with a number, so 100 is invalid but Variable name must start with a letter or the underscore character so egg is valid
3. Int(), float(), str()
4. 'I have eaten ' + 99 + ' burritos.'

Error because of 99 is an integer and we can’t concatenate string a with an integer.

To fix this we must have to change 99 to ’99’ i.e. stringer by typecasting or by manually