**Strings and variables**

The characters which are enclosed in in quotes is called as string. strings are immutable.

**Examples:**

“Gopi”

“12345”

“#gopi@12456”

**String Slicing:**

String slicing is the part of extracting the part of the string

**String concatenation:**

String concatenation is the part of adding to strings with +

**Some of the string methods**

**toLowerCase():**

it converts the strings to lower case

**toUpperCase():**

it converts the strings the characters to upper case

**includes(substring):**

it checks substring is present in the string or not.

**split(separator):**

it converts the string into list.

**slice(start, end):**

it extracts the some part of the code

**isupper():**

Checks if all characters are uppercase.

**islower():**

Checks if all characters are lowercase.

**Variables**

It acts as a container to store data, which can be retrieved or manipulated later in your program

Variables are defined into 2 types local variables and global variables

**Local variables:**

Local variables are defined inside function can be accessible inside the functional block

Syntax:

def my\_function():

local\_var = "I am local”

print(local\_var)

my\_function()

**global variables:**

the variables which are defined out side the block can be accessible from any where of the code.

**Syntax:**

global\_var = "I am global"

def my\_function():

print(global\_var)

my\_function

print(global\_var)