

Learning Objectives

After completion of this chapter, the student will be able to

- Know how to process text.
- Understanding various string functions in Python.
- Know how to format Strings.
- Know about String Slicing.
- Know about Strings application in real world.



8.1 Introduction

String is a data type in python, which is used to handle array of characters. String is a sequence of Unicode characters that may be a combination of letters, numbers, or special symbols enclosed within single, double or even triple quotes.

Example

```
'Welcome to learning Python'  
"Welcome to learning Python"  
""" "Welcome to learning Python" """
```

In python, strings are immutable, it means, once you define a string, it cannot be changed during execution.

8.2 Creating Strings

As we learnt already, a string in Python can be created using single or double or even triple quotes. String in single quotes cannot hold any other single quoted string in it, because the interpreter will not recognize where to start and end the string. To overcome this problem, you have to use double quotes. Strings which contains double quotes should be define within triple quotes. Defining strings within triple quotes also allows creation of **multiline** strings.