**Introduction to Tkinter Module in Python:**

**Tkinter** module in Python is a **standard** **library** in Python used for creating **Graphical** **User** **Interface** (**GUI**) for Desktop Applications.

With the help of Tkinter developing desktop applications is not a tough task. The Tkinter module in Python is a good way to start creating simple projects in Python.

**What is Tkinter?**

Tkinter in Python helps in creating GUI Applications with minimum hassle. Among various GUI Frameworks, Tkinter is the only framework that is built-in into **Python's** **Standard** **Library**.

* An important feature in favor of Tkinter is that it is **cross**

**platform**, so the same code can easily work on **Windows**, **macOS**, and **Linux**.

* Tkinter is a **lightweight module**.
* It comes as part of the standard Python installation, so you don't have to install it separately.
* It supports a lot of built-in widgets that can be used directly to create desktop applications.

**Simple Calculator using Tkinter :**

**calculator** is basically a program on a **computer** **that** **simulates** the behavior of any **hand**-**held** **calculator** useful for **performing** **Mathematical** **Calculations**. It is a very basic device used in our everyday lives. Now all the smartphones also have a Calculator application in them.

While creating any GUI Application there are mainly two steps:

* The first step is to **create a User Interface**.
* The second step is the most important one and in this, to **add functionalities to the GUI.**

Now let's begin with**creating a simple calculator app** using Tkinter in Python which is used for**basic arithmetic calculation.**

There are a **variety of functions in Tkinter**with the help of them**it becomes easy**and **convenient to make a simple calculator** just with **this little code**.

Apart from the Tkinter widgets, we have defined the following functions in our code:

**btn\_click() Function:** This function handles the button click on various numeric buttons to add them to the operation.

**bt\_clear() Function:** This function is used to handle the clear operation to clean the previous input in the Calculator application.

**bt\_equal() Function:** This function is used to handle the equal button to execute the operation and show the result.

**Summary:**

In this tutorial, we developed a basic Calculator application using Tkinter and various widgets of Tkinter about which we have covered in our Tkinter Tutorial. Click on Next to see more Apps developed using Tkinter as this will help you practice what you have learned.