



Our First Tkinter GUI | Python Tkinter GUI Tutorial In Hindi #2



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Tkinter is the standard GUI library for Python. Here, we'll start to develop our first Tkinter GUI. Tkinter provides a powerful object-oriented interface to the *Tk* GUI toolkit.

Let's start with easy code to know the basics of Tkinter. All you need to do is perform the following steps -

- Import the *Tkinter*
- Create the GUI application's main window.
- Add one or more widgets to the GUI application(we'll discuss these later more specifically)
- Enter the main event loop to take action against each event triggered by the user.

To create any GUI with Tkinter's help, we first need to create the Main window. Follow the three easy steps given

below to create the main window:

- Importing *tkinter* is the same as importing any other module in Python. Note that the module's name in Python 2.x is '*Tkinter*,' and in Python 3.x, it is '*tkinter*'.

```
from tkinter import *
```

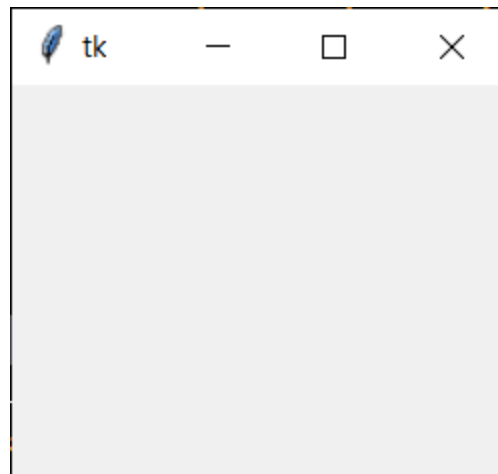
- To create the main window, Tkinter offers a method, 'Tk'. To change the name of the window, you can change the className to the desired one.

```
rahulrathva_root = Tk()
```

- There is a method known by the name *mainloop()*, which is used when your application is ready to run. This is an infinite loop used to run the application, wait for an event to occur, and process the event as long as the window is not closed.

Note: There are currently 15 types of widgets in Tkinter. Button, Canvas, RadioButton, CheckButton, Menu, Frame, Label, etc., are different types of widgets used in Tkinter.

Output: The output of the code (or the GUI window) is given below:





So that's how we can easily create the main window in just three steps. This is all I wanted to share with you in this tutorial, and in the next tutorial, we have a look at the Widgets and Attributed in Tkinter. Till then, keep coding & keep learning!

Code as described/written in the video:

```
from tkinter import *
```

```
rahulrathva_root = Tk()
```

```
# gui logic here
```

```
rahulrathva_root.mainloop()
```

Question - Other than Tkinter what are the other ways to create a GUI in python

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