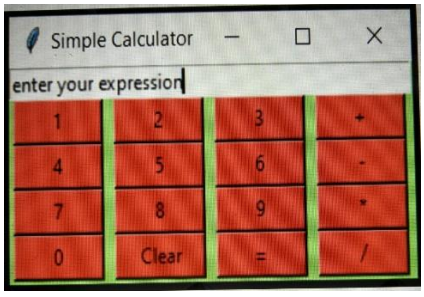
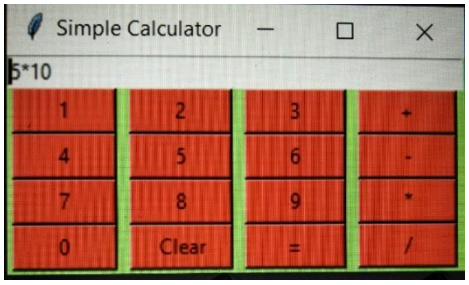
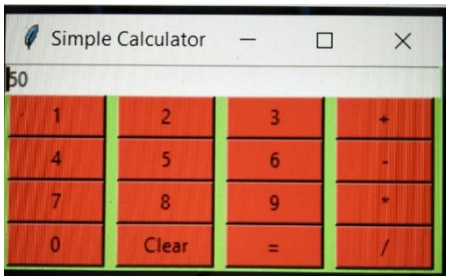
Project Name: GUI Based Simple Calculator

Table of Content

Demo







Overview

This is a simple digital-ware for performing calculations.
This repository contains the code for simple calculator using one of the python libraries "Tkinter" Library.
The purpose of creating this repository is to help the people who are just new to tkinter.
The screenshot will help you in understanding the flow of output.

Motivation

The idea of making calculator came to my mind as this is the device that most of the local shopkeepers uses in their daily life. That led me to create this particular project as to help them and at the same time I can also learn many things from coding as well as importance of simple gadgets in our daily life which we sometimes ignore. And also, to realize that how much we all became dependent of such apps for calculations which we can avoid sometimes for small-minor calculations using our abacus/mental maths/vedic maths skills which we all have already learnt in our elementary schooling. Apart from that, it was an opportunity for me to learn by doing and binding my coding skills with daily apps that is used widely.

Technical Aspect

Python when combined with Tkinter library provides a fast and easy way and is used to create GUI applications.
Tkinter is the inbuilt python module that is used to create GUI applications.
You don’t need to worry about the installation of the Tkinter module separately as it comes with Python already.
It provides handy to use flow for anyone who is using it.
It gives a powerful object-oriented interface to the Tk GUI toolkit.

Installation

Using intel core i5 9th generation with NVIDIA GFORECE GTX1650.
Windows 10 Environment Used.
Already Installed Anaconda Navigator for Python 3.x
The Code is written in Python 3.8.
If you don't have Python installed then please install Anaconda Navigator from its official site.
If you are using a lower version of Python you can upgrade using the pip package, ensuring you have the latest version of pip, python -m pip install --upgrade pip and press Enter.

Run/How to Use/Steps

Download ZIP File.
Right-Click on ZIP file in download section and select Extract file option, which will unzip file.
Move unzip folder to desired folder/location be it D drive or desktop etc.
Open Anaconda Prompt, write cd <PATH> and press Enter.
eg: cd C:\Users\Monica\Desktop\Projects\Python Projects 1\Tkinter\Simple_Calculator
In Anaconda Prompt, write python <filename>.py and press Enter. That is,
In Anaconda Prompt, write python GUI_Simple_Calculator.py and press Enter.
Then, you can see calculator GUI on desktop and you can perform relevant operations.
By Clicking on X button, it will close the interface.
You can also minimize and maximize it.
You can also run all codes from Command Prompt instead of Anaconda Prompt after setting Environmental Variable Path Settings.

Directory Tree/Structure of Project

1. GUI_Simple_Calculator.py

To Do/Future Scope

Add option to select voice or non-voice.
Add gaze-tracking feature to it.
Connect each generated bill/calculation to database.

Technologies Used/System Requirements/Tech Stack

Credits

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