CodeWithHarry

🏠   HTML   CSS   JS   C   C++   JAVA   PYTHON   PHP   🔍

Creating a GUI Notepad In Tkinter | Python Tkinter GUI Tutorial In Hindi #29

▶

Overview   Q&A   Downloads   Announcements

Creating a GUI Notepad In Tkinter | Python Tkinter GUI Tutorial In Hindi #29

Code as described/written in the video

Copy

```python
from tkinter import *
from tkinter.messagebox import showinfo
from tkinter.filedialog import askopenfilename, asksaveasfilename
import os


def newFile():
    global file
    root.title("Untitled - Notepad")
    file = None
    TextArea.delete(1.0, END)


def openFile():
```

```python
        global file
        file = askopenfilename(defaultextension=".txt",
                                filetypes=[("All Files", "*.*"),
                                            ("Text Documents", "*.txt")])

        if file == "":
            file = None
        else:
            root.title(os.path.basename(file) + " - Notepad")
            TextArea.delete(1.0, END)
            f = open(file, "r")
            TextArea.insert(1.0, f.read())
            f.close()


    def saveFile():
        global file
        if file == None:
            file = asksaveasfilename(initialfile = 'Untitled.txt', defaultextension=".txt",
                            filetypes=[("All Files", "*.*"),
                                        ("Text Documents", "*.txt")])

            if file =="":
                file = None

            else:
                #Save as a new file
                f = open(file, "w")
                f.write(TextArea.get(1.0, END))
                f.close()

                root.title(os.path.basename(file) + " - Notepad")
                print("File Saved")
        else:
            # Save the file
```

```python
        f = open(file, "w")
        f.write(TextArea.get(1.0, END))
        f.close()


def quitApp():
    root.destroy()

def cut():
    TextArea.event_generate(("<>"))

def copy():
    TextArea.event_generate(("<>"))

def paste():
    TextArea.event_generate(("<>"))

def about():
    showinfo("Notepad", "Notepad by Code With Harry")

if __name__ == '__main__':
    #Basic tkinter setup
    root = Tk()
    root.title("Untitled - Notepad")
    root.wm_iconbitmap("1.ico")
    root.geometry("644x788")

    #Add TextArea
    TextArea = Text(root, font="lucida 13")
    file = None
    TextArea.pack(expand=True, fill=BOTH)

    # Lets create a menubar
```

```python
MenuBar = Menu(root)

#File Menu Starts
FileMenu = Menu(MenuBar, tearoff=0)
# To open new file
FileMenu.add_command(label="New", command=newFile)

#To Open already existing file
FileMenu.add_command(label="Open", command = openFile)

# To save the current file

FileMenu.add_command(label = "Save", command = saveFile)
FileMenu.add_separator()
FileMenu.add_command(label = "Exit", command = quitApp)
MenuBar.add_cascade(label = "File", menu=FileMenu)
# File Menu ends

# Edit Menu Starts
EditMenu = Menu(MenuBar, tearoff=0)
#To give a feature of cut, copy and paste
EditMenu.add_command(label = "Cut", command=cut)
EditMenu.add_command(label = "Copy", command=copy)
EditMenu.add_command(label = "Paste", command=paste)

MenuBar.add_cascade(label="Edit", menu = EditMenu)

# Edit Menu Ends

# Help Menu Starts
HelpMenu = Menu(MenuBar, tearoff=0)
HelpMenu.add_command(label = "About Notepad", command=about)
MenuBar.add_cascade(label="Help", menu=HelpMenu)
```

```python
# Help Menu Ends

root.config(menu=MenuBar)

#Adding Scrollbar using rules from Tkinter lecture no 22
Scroll = Scrollbar(TextArea)
Scroll.pack(side=RIGHT,  fill=Y)
Scroll.config(command=TextArea.yview)
TextArea.config(yscrollcommand=Scroll.set)

root.mainloop()
```

Previous

Next

CodeWithHarry | Copyright © 2022 CodeWithHarry.com