Ardian Ferdy Firmansyah

Notepad Gui

Code

```python
import tkinter as tk
from tkinter import *
from tkinter import messagebox, filedialog
import os
root = tk.Tk()
root.title("Untitled - Notepad")
file = None
def createWidgets() :
    global textArea
    textArea = Text(root)
    textArea.grid(sticky=N+E+S+W)
    menuBar = Menu(root)
    root.config(menu=menuBar)
    fileMenu = Menu(menuBar, tearoff=0)
    fileMenu.add_command(label="New", command=newFile)
    fileMenu.add_command(label="Open", command=openFile)
    fileMenu.add_command(label="Save", command=saveFile)
    fileMenu.add_separator()
    fileMenu.add_command(label="Exit",command=exit)
    menuBar.add_cascade(label="File", menu=fileMenu)

    editMenu = Menu(menuBar, tearoff=0)
    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)

    helpMenu = Menu(menuBar, tearoff=0)
    helpMenu.add_command(label="About Notepad", command=help)
    menuBar.add_cascade(label="Help", menu=helpMenu)
def newFile():
    global textArea
    root.title("Untitled - Notepad")
    file = None
    textArea.delete(1.0,END)
def openFile():
    global textArea
    file = filedialog.askopenfile(defaultextension=".txt", filetype=[("All files","*.*"),("Text Documents","*.txt")])
    file = file.name

    if file == "":
        file == None
```
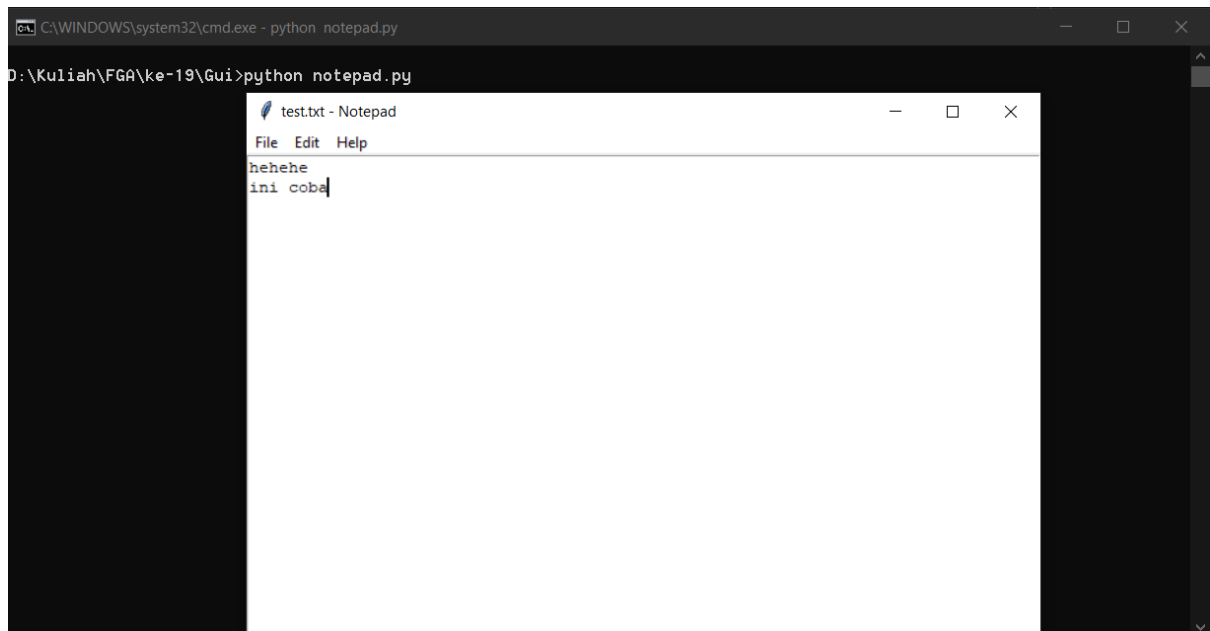
```python
    else :
        root.title(os.path.basename(file) + " - Notepad")
        textArea.delete(1.0,END)
        file = open(file, "rb")
        textArea.insert(1.0,file.read())
        file.close()
def saveFile():
    global textArea, file
    if file == None:
        file = filedialog.asksaveasfilename(initialfile="Untitled.txt",default
extension=".txt", filetype=[("All files","*.*"),("Text Documents","*.txt")])
        if file == None:
            file == None
        else:
            file = open(file, "w")
            file.write(textArea.get(1.0, END))
            file.close()
            file = file.name
            root.title(os.path.basename(file) + " - Notepad")
    else :
        file = open(file, "w")
        file.write(textArea.get(1.0, END))
        file.close()
def exit() :
    root.destroy()
def cut():
    global textArea
    textArea.event_generate("<<Cut>>")
def copy():
    global textArea
    textArea.event_generate("<<Copy>>")
def paste():
    global textArea
    textArea.event_generate("<<Paste>>")
def help() :
    messagebox.showinfo("Notepad","Ini Adalah Notepad Menggunakan Python Versi
 3.9")

createWidgets()

root.mainloop()
```