Experiment 5

Frason / 201903020 / SE-IT

1. Designing Graphical user interface (GUI) using built-in tools PyQt GUI database connectivity to perform CRUD operations in python.

database.py

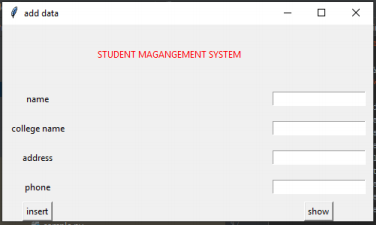
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| import tkinter as tk  from tkinter import Button  import database  from database import \*  mainWindow = tk.Tk()  mainWindow.title("add data")  mainheadinglabel=tk.Label(mainWindow,text='STUDENT MAGANGEMENT SYSTEM',padx=(30),pady=(30), fg='red')  mainheadinglabel.grid(row=0 , column=2)  headinglabel1=tk.Label(mainWindow,text='name',padx=(10),pady=(10))  headinglabel1.grid(row=1 , column=0)  name\_field=tk.Entry(mainWindow)  name\_field.grid(row=1 , column=3,padx=(10),pady=(10))  headinglabel2=tk.Label(mainWindow,text='college name',padx=(10),pady=(10)) headinglabel2.grid(row=2 , column=0)  college\_field=tk.Entry(mainWindow )  college\_field.grid(row=2 , column=3,padx=(10),pady=(10))  headinglabel3=tk.Label(mainWindow,text='address',padx=(10),pady=(10)) headinglabel3.grid(row=3 , column=0)  address\_field=tk.Entry(mainWindow)  address\_field.grid(row=3 , column=3,padx=(10),pady=(10))  headinglabel4=tk.Label(mainWindow,text='phone',padx=(10),pady=(10))  headinglabel4.grid(row=4 , column=0)  phone\_field=tk.Entry(mainWindow)  phone\_field.grid(row=4 , column=3,padx=(10),pady=(10))  def get():  name1=name\_field.get()  college1=college\_field.get()  address1=address\_field.get() |

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| phone1=phone\_field.get()  insert(name1,college1,address1,phone1)  name\_field.delete(0,tk.END)  college\_field.delete(0,tk.END)  address\_field.delete(0,tk.END)  phone\_field.delete(0,tk.END)  insert1=tk.Button(mainWindow,text='insert',command =lambda : get())  insert1.grid(row=5 , column=0)  show1=tk.Button(mainWindow,text='show',command =lambda : show())  show1.grid(row=5,column=3)  mainWindow.mainloop() |

fronthand.py

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| headinglabel4=tk.Label(mainWindow,text='phone',padx=(10),pady=(10))  headinglabel4.grid(row=4 , column=0)  phone\_field=tk.Entry(mainWindow)  phone\_field.grid(row=4 , column=3,padx=(10),pady=(10))  def get():  name1=name\_field.get()  college1=college\_field.get()  address1=address\_field.get()  phone1=phone\_field.get()  insert(name1,college1,address1,phone1)  name\_field.delete(0,tk.END)  college\_field.delete(0,tk.END)  address\_field.delete(0,tk.END)  phone\_field.delete(0,tk.END)  insert1=tk.Button(mainWindow,text='insert',command =lambda : get())  insert1.grid(row=5 , column=0)  show1=tk.Button(mainWindow,text='show',command =lambda : show())  show1.grid(row=5,column=3)  mainWindow.mainloop() |



(B) Different File Handling operations in Python.