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| A picture containing drawing, stop, room  Description automatically generated | Python Programming  Practical # 10 | | | |
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| **Subject/Course:** | Python Programming | **Class** | | SY BSc. IT |
| **Topic** | Database Connectivity | **Division** | | C |
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| 1. **Design a simple database application that stores the records and retrieve the same.** | | | | |
| Program:  from tkinter import\*  from tkinter import messagebox  import pymysql      def put(\*args):  con=pymysql.connect(user='root',password='tiger',host='localhost',database='dre')  cur=con.cursor()  cur.execute("insert into student(roll\_no,name) values('"+rollnoEntry.get()+"', '"+nameEntry.get()+"')")  messagebox.showinfo("Record inserted")  con.commit()  con.close()    def get():  con=pymysql.connect(user='root', password='tiger', host='localhost', database='dre')  cur=con.cursor()  cur.execute("select \* from student1")  results=cur.fetchall()  row=cur.fetchone()  messagebox.showinfo("infomsg",results)  con.close()    root=Tk()  root.title("insert data")  rollnoEntry=Entry(root,width=7)  nameEntry=Entry(root,width=7)  rollnoEntry.grid(row=1,column=1)  nameEntry.grid(row=2,column=1)    Label(root,text='rollno').grid(row=1,column=0)  Label(root,text='name').grid(row=2,column=0)  Button(root,text='Insert',command=put).grid(row=3,column=0)  Button(root,text='Display',command=get).grid(row=3,column=1)  root.mainloop()  Output Screenshot | | | | |
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| 1. **Design a database application to that allows the user to add, delete and modify the records.** | | | | |
| Program:  from tkinter import \*  from tkinter import messagebox  import pymysql    def upd():  con=pymysql.connect(user='root', password='tiger', host='localhost', database='qwe')  cur=con.cursor()  str="update student set name='rupesh' where roll\_no="+rollnoEntry.get()+""  cur.execute(str)    messagebox.showinfo("info msg","record updated")  con.commit()  con.close()    def dele():  con=pymysql.connect(user='root', password='tiger', host='localhost', database='qwe')  cur=con.cursor()  str="delete from student where roll\_no="+rollnoEntry.get()+""  cur.execute(str)  messagebox.showinfo("info msg","record deleted")  con.commit()  con.close()      def put (\*args):  con=pymysql.connect(user='root', password='tiger', host='localhost', database='qwe')  cur=con.cursor()  cur.execute("insert into student(roll\_no,name)values('"+rollnoEntry.get()+"', '"+nameEntry.get()+"')")  messagebox.showinfo("info msg","Record inserted")  con.commit()  con.close()    def get():  con=pymysql.connect(user='root', password='tiger', host='localhost', database='qwe')  cur=con.cursor()  cur.execute("select \* from student")  results=cur.fetchall()  row=cur.fetchone()  messagebox.showinfo("infomsg",results)  con.close()    root=Tk()  root.title("insert data")  rollnoEntry=Entry(root,width=7)  nameEntry=Entry(root,width=7)  rollnoEntry.grid(row=1,column=1)  nameEntry.grid(row=2,column=1)  Label(root,text='roll\_no').grid(row=1,column=0)  Label(root,text='name').grid(row=2,column=0)  Button(root,text='Insert',command=put).grid(row=3,column=0)  Button(root,text='Display',command=get).grid(row=3,column=1)  Label(root,text='roll\_no').grid(row=4,column=0)  rollnoEntry=Entry(root,width=7)  rollnoEntry.grid(row=4,column=1)  Button(root,text='delete',command=dele).grid(row=5,column=0)  Button(root,text='update',command=upd).grid(row=5,column=1)  root.mainloop()  Output Screenshot | | | | |
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