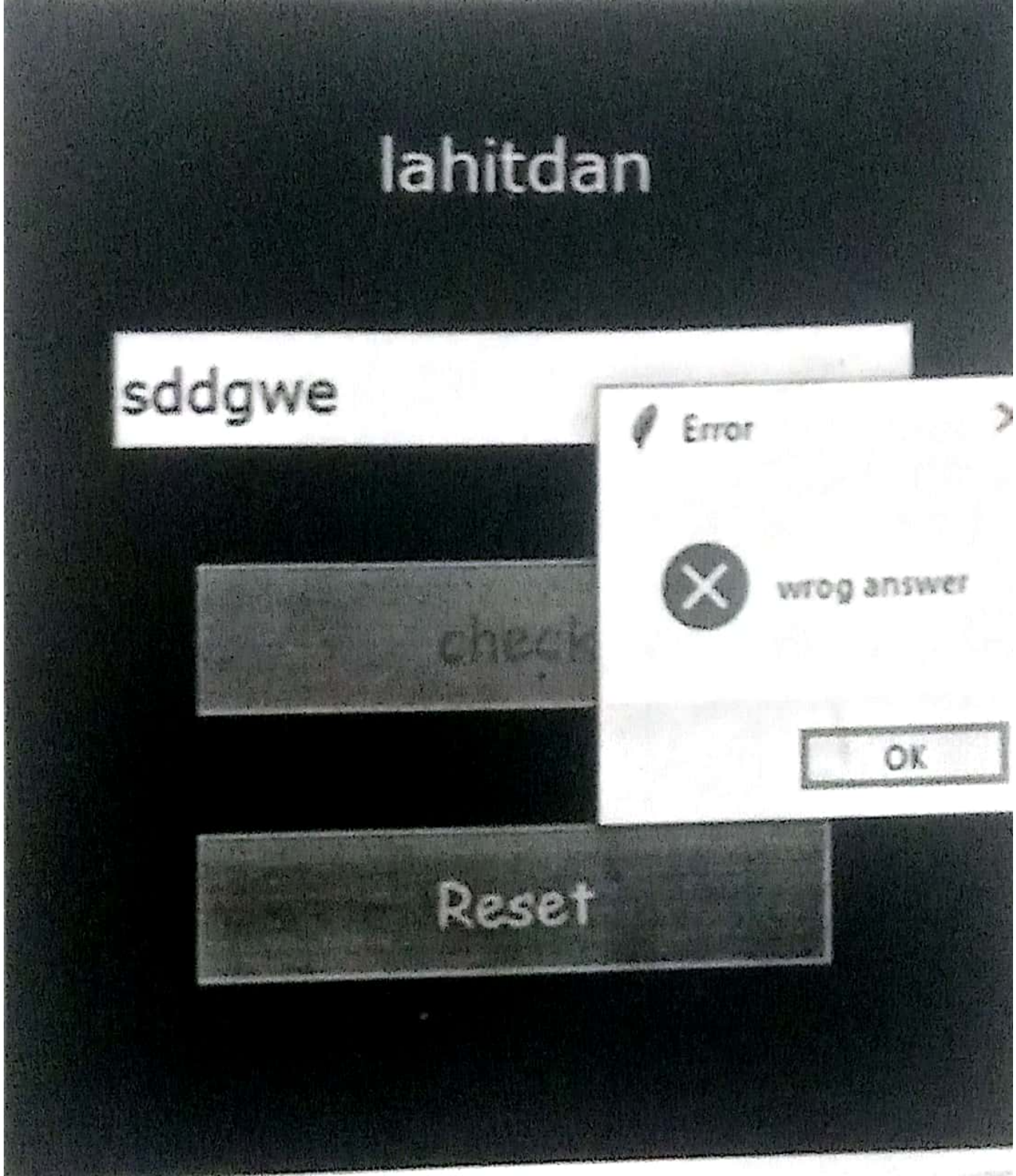
Source Code:

```
import tkinter
from tkinter import *
import random
from tkinter import messagebox

answers=["india","canada","japan","china","sydney","egypt","california","switzerland","thailand","chicago"]
words=["dinai","ancdaa","anajp","hncai","ydnsye","gpeyt","ilrofinaca","wsztdinearl","lahitdan","oahcgic"] :

num=random.randrange(0,10,1)

def first():
  global words,answers,num
  label.config(text=words[num])

def checkans():
  global words,answers,num
  var=entry.get()
  if var == answers[num]:
    messagebox.showinfo("Wow!","It's the correct answer")
    reset()
  else:
    messagebox.showerror("Error","wrog answer")

def reset():
```

Project:

Aim: a) To create a simple project using GUI widgets.

```
global words,answers,num

num=random.randrange(0,10,1)

label.config(text=words[num])


root=tkinter.Tk()

root.geometry("350x400+400+150")

root.title("Jumbling Words!")

root.config(background="black")


label=Label(root,font=("Verdana",18),bg="black",fg="white")

label.pack(pady=30,ipadx=10,ipady=10)


select=StringVar()

entry=Entry(root,font=("Verdana",15),textvariable=select)

entry.pack(ipadx=5,ipady=5)


button=Button(root,text="check",font=("Comic sans
ms",16),width=16,bg="grey",fg="magenta",relief=RIDGE,command=checkans)

button.pack(pady=40)


res_button=Button(root,text="Reset",font=("Comic sans ms",16),width=16,bg="grey",fg="light
green",relief=RIDGE,command=reset)

res_button.pack()


first()

root.mainloop()
```



Source Code:

```
>>> import os,sqlite3
>>> conn=sqlite3.connect
>>> conn=sqlite3.connect("Shoes.db")
>>> cur=conn.cursor()
>>> cur.execute('create table shoe(Name char,Model_no int,Colour char,Size int)')
<sqlite3.Cursor object at 0x036F1EA0>
>>> cur.execute('insert into shoe values("Nike Air Jordan",879898, "blue",10),("addidas
jogger",767638,"black",9)')
<sqlite3.Cursor object at 0x036F1EA0>
>>> cur.execute('Select * from shoe')
<sqlite3.Cursor object at 0x036F1EA0>
>>> print(cur.fetchall())
[('Nike Air Jordan', 879898, 'blue', 10), ('addidas jogger', 767638, 'black', 9)]
>>> cur.execute('insert into shoe values("Puma Roma",738928,"white",10),("Air Jordan 7
Retro",398598,"Grey",9)')
<sqlite3.Cursor object at 0x036F1EA0>
>>> cur.execute('Select * from shoe')
<sqlite3.Cursor object at 0x036F1EA0>
>>> print(cur.fetchall())
[('Nike Air Jordan', 879898, 'blue', 10), ('addidas jogger', 767638, 'black', 9), ('Puma Roma', 738928,
'white', 10), ('Air Jordan 7 Retro', 398598, 'Grey', 9)]
>>> cur.execute('UPDATE shoe SET Name="Reebok " WHERE Model_no=738928')
<sqlite3.Cursor object at 0x036F1EA0>
>>> cur.execute('ALTER TABLE shoe ADD mngf_year')
<sqlite3.Cursor object at 0x036F1EA0>
>>> cur.execute('Select * from shoe')
<sqlite3.Cursor object at 0x036F1EA0>
```

2.) Aim :- To develop real life applications using database.

```
>>> print(cur.fetchall())

[('Nike Air Jordan', 879898, 'blue', 10, None), ('addidas jogger', 767638, 'black', 9, None), ('Reebok ',
738928, 'white', 10, None), ('Air Jordan 7 Retro', 398598, 'Grey', 9, None)]

>>> conn.commit()

>>> cur.execute(DROP TABLE shoe)
```