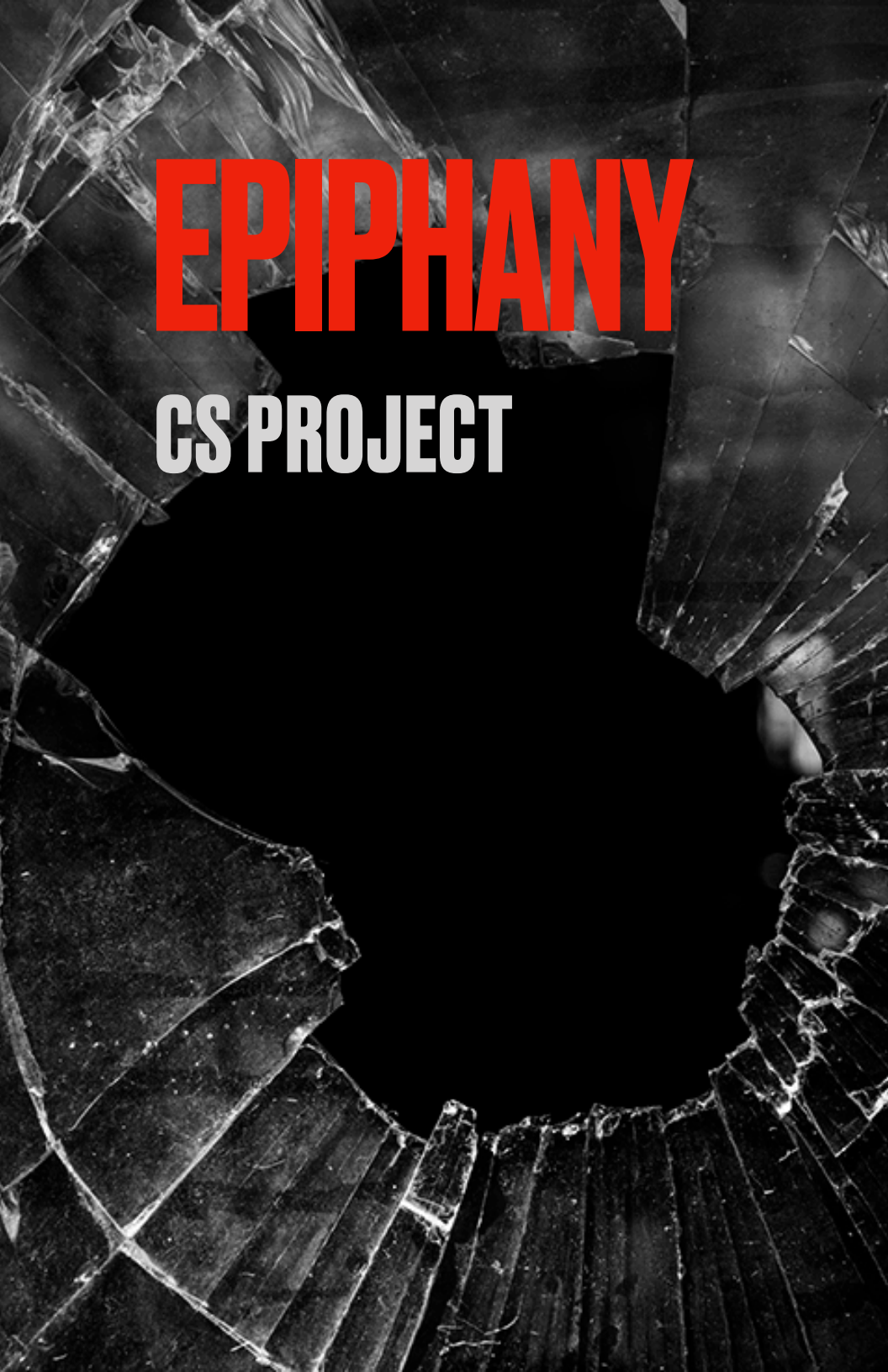

EPIPHANY
CS PROJECT

A JOURNAL CURATED THROUGH CODE FOR YOUR MESMERISING STORIES

CERTIFICATE

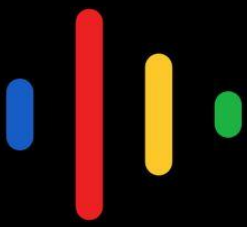
It is hereby to certify that, the original and genuine practical work has been carried out to understand the subject matter and the related data collection and has been completed solely, sincerely and satisfactorily by Ishaan Kalra of class 12th E, K.R.Mangalam World School, Greater Kailash-II, New Delhi-110048.

Teacher’s Signature,

ACKNOWLEDGEMENT

I place my sincere thanks to my Computer Science teacher Ms.Vatsala Dadeech for her guidance and advices to complete my work successfully. I also thank our principal Dr.Jyoti Gupta for providing me all the facilities to finish the project on time. I also take this opportunity to place on record my deep gratitude to god for the countless blessings showered on me while doing the work and to complete it. Last but not least I thank my parents for their encouragement and support in my humble venture.

CONTENT



EPIPHANY

A diary is a way to keep track of your feelings and views and how they have changed over time, which can be particularly helpful in personal development terms.

Keeping a diary has many benefits. These include improving your mental health, as a result of giving you a place to vent

With respect to such points, I, Ishaan Kalra has curated a windows GUI app, ‘Epiphany’, with the help of python and its libraries.

DEVELOPMENT TOOLS

Language: Python , MySQL

Code Editor: VS Code

Libraries: Tkinter, mysql-connector

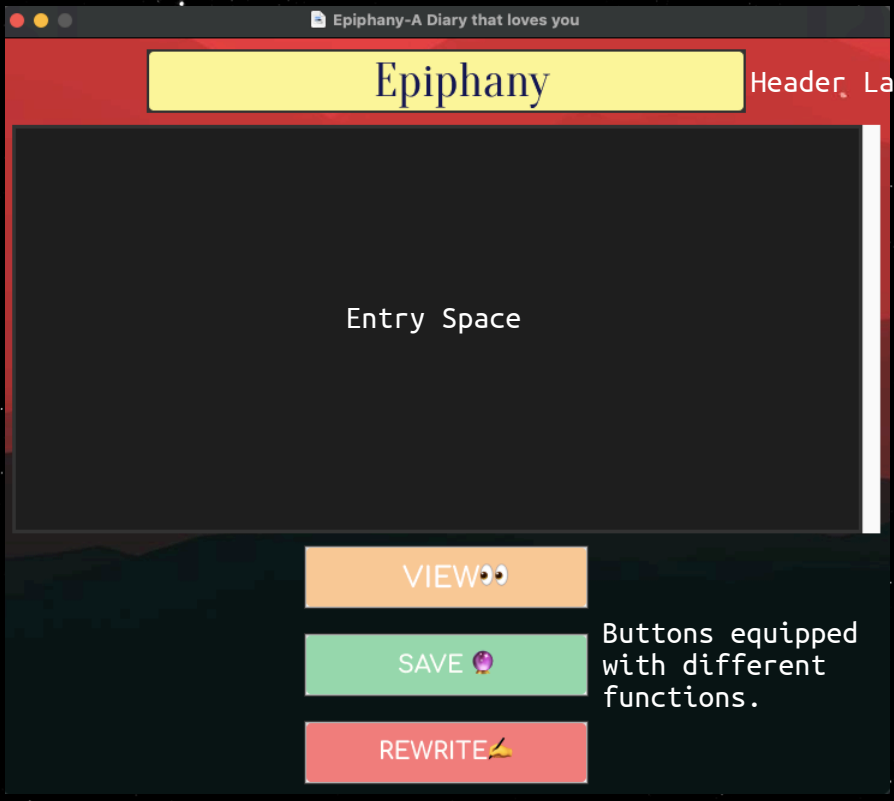
OVERVIEW : LIBRARIES

Tkinter: A Python library that enables the programmer to create GUI applications. It is packed with numerous components such that one can create graphical interfaces seamlessly.

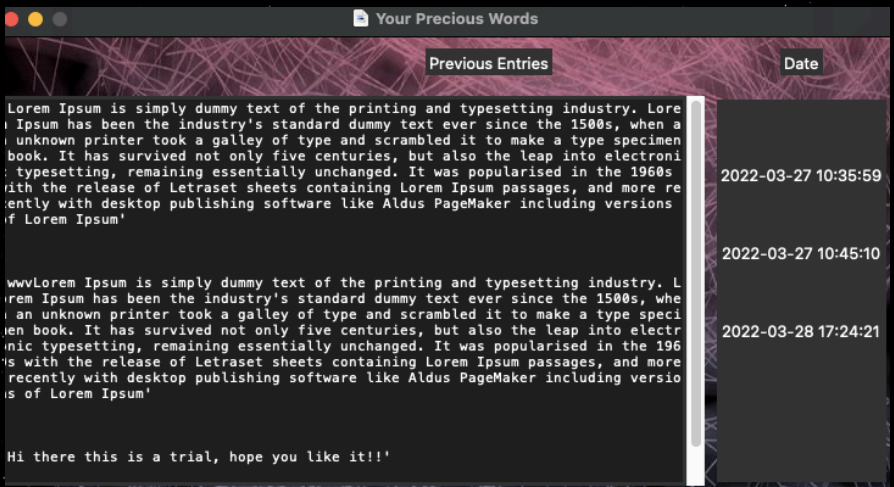
mysql-connector: A Python library that helps establish a connection between the localhost’s SQL server and Python.It provides functions to connect to a database, execute SQL statements and finally commit those changes.

OVERVIEW : APPLICATION

First Window



Second Window



CODE

```
from tkinter import *
from tkinter.scrolledtext import ScrolledText
import mysql.connector
```

```
#TKINTER Initialisation Statements-For 1st Window
root = Tk()
root.title("Epiphany-A Diary that loves you")
root.iconbitmap('img/icon.png')
root.resizable(False, False)
bg = PhotoImage(file = "img/bg.png")
back = Label(root, image=bg)
back.place(x=0,y=0,relwidth=1,relheight=1)

# BG setup For 2nd Window
bg1 = PhotoImage(file = "img/bg3.png")
```

```
#DB Initialisation Statements
db = mysql.connector.connect(host="localhost",user="root",passwd="",database="Diary")
c = db.cursor()
```

```
#Databases-Functions:

#Create Database & Table
def create_table():

    c.execute('''
    CREATE TABLE Story (
        StoryNum int Primary Key Not Null AUTO_INCREMENT,
        StoryContent LONGTEXT,
        StoryDate datetime DEFAULT CURRENT_TIMESTAMP);
    )
    ''')

    db.close()
    print("Database Created")

#Delete Database
def delete_table():

    c.execute('''
    DROP TABLE Story;
    ''')

    db.close()
    print("Database Created")
```

```
#Display Func
def display(t,u):

    #TKINTER Initialisation Statements-For 2nd Window
    top = Toplevel()
    top.title('Your Precious Words')
    top.iconbitmap('img/icon.png')
    top.resizable(False, False)

    back1 = Label(top, image=bg1)
    back1.place(x=0,y=0,relwidth=1,relheight=1)


    head = Label(top,text="Previous Entries").grid(row=0,column=2,padx=10,pady=10)

    displayer = ScrolledText(top)
    displayer.insert(END,t)
    displayer.grid(row=1,column=1,columnspan=2)
    displayer.config(state= DISABLED)

    head2=Label(top,text="Date").grid(row=0,column=4,padx=10,pady=10)
    date = Label(top,text=u)
    date.grid(row=1,column=4,padx=10,pady=10,ipady=50)
```

```
#GUI-Functions:

#View Func
def view():
    c.execute('''
    SELECT * FROM Story;''')
    records = c.fetchall()
    print_records=''
    date_records=''
    for record in records:
        print_records += str(record[1]) +'\n\n\n\n\n'
        date_records += str(record[2]) +'\n\n\n\n\n'
    display(print_records,date_records)


#Save Func
def save():
    sql = ('''
    INSERT INTO Story (StoryContent)
    VALUES ("%s")
    ''')
    val = (str(input1.get("1.0",'end-1c')),)
    c.execute(sql, val)

    db.commit()
    input1.delete("1.0",'end-1c')
    label2 = Label(root,text="SAVED!")
    label2.grid(row=10,column=2)


#Rewrite Func
def rewrite():
    input1.delete("1.0",'end-1c')
    label2 = Label(root,text="NEW ENTRY")
    label2.grid(row=10,column=2)
```

```
#-GUI-Components-------------------------------------------------------------

# Header
head_img = PhotoImage(file="img/head.png")
myLabel = Label(root,image=head_img)
myLabel.grid(row=0,column=2,pady=10)

#Input
input1 = ScrolledText(root,width=100,borderwidth=0)
input1.grid(row=1,column=2,padx=10,ipady=10)


# View
view_img = PhotoImage(file="img/1.png")
btn1 = Button(root,image=view_img ,command=view ,borderwidth=0 )
btn1.grid(row=2,column=2,pady=10)

# Save
save_img = PhotoImage(file="img/2.png")
btn2 = Button(root,image=save_img ,command=save ,borderwidth=0 )
btn2.grid(row=3,column=2,pady=10)

# Rewrite
re_img = PhotoImage(file="img/3.png")
btn3 = Button(root,image=re_img ,command=rewrite ,borderwidth=0 )
btn3.grid(row=4,column=2,pady=10)
```

```
#DB-Table-Initialisation-and-Deletion-
# create_table()
# delete_table()
```

```
#Main GUI Loop----
root.mainloop()
#-----------------
```

BIBLIOGRAPHY

- youtube.com
- https://stackoverflow.com/
- https://www.geeksforgeeks.org/
- https://www.freecodecamp.org/


THANK YOU