केन्द्रीय विद्यालय क्र. 4

ओएनजीसी वडोदरा

KENDRIYA VIDYALAYA NO 4 ONGC VADODARA

SUBJECT :- COMPUTER SCIENCE

PROJECT FILE

TOPIC :- DAILY ACTIVITY AND STUDY PLANNER

SUBMITTED BY –

NAME - BHAVIN JAIN

CLASS - XII

ROLL NO - 1207

KENDRIYA VIDYALAYA NO 4 ONGC VADODARA

A

PROJECT REPORT

ON

"Daily Activity and Study Planner"

SUBMITTED IN PARTIAL FULFILLMENT OF

THE REQUIREMENT FOR THE AWARD OF THE

AISSCE 2021-22 (TERM 1)

Submitted to: -

Vikash Kr. Yadav and Huma Yasmin
PGT-Computer Science
KV No.-IV ONGC Vadodara

Submitted by: -

Bhavin Jain
Class-XII (Roll No.1207)
KV No.-IV ONGC Vadodara

Kendriya Vidyalaya No.-IV ONGC VADODARA

2021-22

CANDIDATE'S DECLARATION

This is to certify that work, which is being presented in the project entitled "**Daily Activity and Study Planner**" submitted by undersigned student of Class-XII in partial fulfillment for award of AISSCE 2021-22 (TERM 1) is a record of my own work carried out by me under guidance and supervision of Mr. **Vikash Kr. Yadav, PGT-Computer Science, KV No.-IV ONGC Vadodara.**

Name & Signature of student

Bhavin Jain

Date: 01/10/2021

Place: KV No.-IV ONGC, VADODARA

KENDRIYA VIDYALAYA No.-IV ONGC

VADODARA-390009

केन्द्रीय विद्यालय संगठन

CERTIFICATE

*This is to certify that the work, which is being presented in the Project entitled "**Daily Activity and Study Planner**" submitted by Mr. /~~Ms~~. **Bhavin Jain**, a student of class 12th in partial fulfillment for award of AISSCE 2021-22 (TERM 1 and TERM 2), is a record of student's work carriedout by him under our guidance and supervision.*

KENDRIYA VIDYALAYA No.-IV VADODARA
Roll No.-- 1207
Year: 2021-22
COMPUTER SCIENCE

Signature of Project Coordinator

Date:
Place: VADODARA

Mr. Vikash Kr. Yadav
and Mrs. HumaYasmin
PGT-Computer Science

Signature

(Ms. Aprajita)
Principal
KV No.-IV ONGC Vadodara

ACKNOWLEDGEMENT

It is a great relief and pleasure for me to make use of this golden opportunity to express my thanks to those who helped me whole heartedly to bring out this project report as a successful venture.

I am highly indebted and graceful to **Mr. Vikash Kr. Yadav** for his strict supervision, constant encouragement, inspiration and guidance, which ensure the worthiness of my work. He explained the concepts of Computer Science in a simple and easy way yet with a lot of precision and depth. This has really helped me in making my project report. Working under him was an enriching experience. He always give first priority to doubts due to which I have been able to complete this project.

I would also like to thank Mrs. Huma Yasmin for helping me learn the remaining concepts of Computer Science. She also always gives first priority to doubts and explained everything in a fun and easy manner. Her guidance was also really important in completing this project.

In all I found a congenial work environment in our school which has directly or indirectly helped me in the completion of the project report which will mark a new beginning for me in the coming days.

Bhavin Jain

DATE:01/10/2021 **Class-XII**

PLACE: KV No.IV ONGC ,VADODARA **Roll No. : 1207**

THIS PROJECT HAS BEEN COMPLETED IN TWO PARTS:-

I) Term I- **The abstract idea of the project.This part was done under the guidance of Mr. Vikash Kr.Yadav, PGT Computer Science.**

II) Term II- **The Source Code and its Output. This part was done under the guidance of Mrs. Huma Yasmin, PGT Computer Science.**

Date- 13/02/2022

Name- Bhavin Jain

Class- XII

Roll No- 1207

Teacher- Mrs. Huma Yasmin

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PROJECT DESCRIPTION

Intro of Project:- My Project Name is 'Daily Activity and Study Planner.' Just as the name suggests, I have created an interface which will help students or any working human manage his/her time, goals and daily activities.

My Interface mainly consist of 3 options:-

1. List of Tasks to be Completed:-

OVERVIEW: In this sub-interface, you can enter your list of daily tasks you want to complete. You can delete and add tasks as per your wish.

PYTHON BREAK-UP/WORKING: A text file will be used to store the tasks entered by the user in the interface. They can also be viewed bythe user at his/her will and this will be enabled by using simple Text File Reading Methods. A person can even delete/add tasks and this can be achieved using the delete method of text file and append mode in text file.

2. Schedule:-

OVERVIEW: In this sub-interface, you can create your schedule and it will display in table form.

PYTHON BREAK-UP/WORKING: This Timetable feature will be enabled and operated using a CSV file. It will ask the user to enter the time and the engagement/ activity which she/he has to do at that time. After that process is done, it will display the schedule/timetable whenever the user requires using CSV file Reading Methods.

3. Notes:-

OVERVIEW: The User can use this section to jot down important notes in relation with any topic. The User can later access these notes as well.

PYTHON BREAK-UP/WORKING: Here also, Data Files will be used to store the notes. The User will be asked to enter the name of the file which can be later used by the user to access this file as well. This can be enabled by Python using Data File Read Methods.

Application in Real Life of My Project:- As it is imminent from my detailed description of the features of my project, this is very useful for any person who is having trouble managing his/her daily activities. It can be used for managing daily life tasks, Schedule, important meetings, classes, and typing down important notes. It is very user friendly and easy to use. The interface will be very colorful to ensure vibrant nature and keep the person's hectic schedule an easy one to manage.

Future of my Project:- As the wheel of time keeps rolling, I understand that the demands of people may change as their schedule may get more busier, they may want to take out more time for other activities, basically, a more advanced interface may be the need of the hour at that time. So, we plan to develop more sub-interfaces such as World Time Clock, a detailed and advanced AI powered analysis of how they spent their time, an AI powered suggestion system which will give you suggestions on how to manage your time more efficiently and much more. Thus, this Project is only the seed for a much bigger and growing tree.

Conclusion:- In a nutshell, My Project will consist of a Home Screen which will have 3 buttons with names of the services enlisted above. All the functions listed above for each main sub-interface will have their own interfaces to maintain the simplicity for the user. It has many current daily life applications and a bright future with more features to be added as time passes by. This is the abstract concept of my Computer Science Project and how I will use Computer Science Concepts learned in Class 11 and Class 12(Term-I) to fulfill my plan.

System Requirements

Hardware Requirements

- ☐ Hard Disk-1GB
- ☐ RAM(Random Access Memory)-1GB
- ☐ Laptop with Main Processor-Intel i5

Software Requirements

- ☐ OS (Operating Software)-Windows 8 or Higher
- ☐ Python IDLE
- ☐ MS WORD 2013 for Documentation

Software Development Life Cycle

SOURCE CODE

```
from tkinter import *
#MAIN INTERFACE

root=Tk()
root.configure(background='dark blue')
root. geometry('708x300')
root.title('Daily Planner')

#Functions for Function 1-List of Tasks
def ListofTasks():
    root1=Tk()
    root1.configure(background='green')
    root1.geometry('600x200')
    root1.title('List of Tasks')
    def LoTReset():
        f=open('ListofTasks.TXT','w')
        f.write("['List of Tasks']")
        f.close()
    def LoTAdd():
        def Add():
            f=open('ListofTasks.txt','r+')
            s=f.read()
            L=eval(s)
            L.append(str(entry3.get()))
            f.seek(0)
            f.write(str(L))
            f.close()

        root2=Tk()
        root2.configure(background='black')
        root2.geometry('400x200')
        root2.title('Add a Task')
        label3=Label(root2,text="Enter the new task:-
",fg='black',bg='white',padx=10,pady=5)
        entry3=Entry(root2)
        label3.grid(row=1,column=1)
        entry3.grid(row=1,column=2)

Button7=Button(root2,text='Add',bg='white',fg='red',command=Add,height=5,wi
dth=10)
        Button7.grid(row=2,column=1)

    def LoTDel():
        root5=Tk()
        root5.configure(background='black')
        root5.geometry('600x200')
        root5.title('Delete')
        def Del():
            f=open('ListofTasks.TXT','r+')
            s=f.read()
            L=eval(s)
            f.close()
            f=open('ListofTasks.TXT','w')
            for i in L:
                if i==(entry4.get()):
                    L.remove(i)
                else:
```

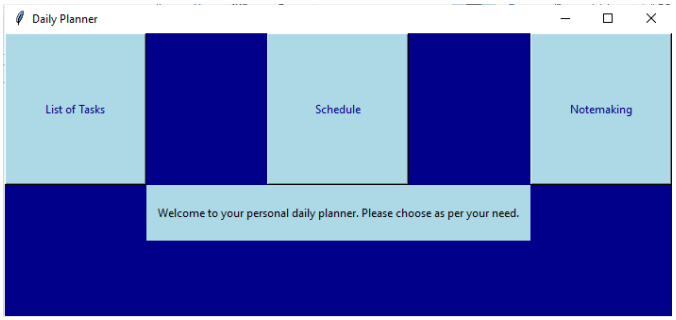
```
                    continue
            f.write(str(L))
            f.close()
        label4=Label(root5,text="Write the task to delete it.:-
",fg='black',bg='white',padx=10,pady=5)
        entry4=Entry(root5)
        label4.grid(row=1,column=1)
        entry4.grid(row=1,column=2)

Button8=Button(root5,text='Delete',bg='white',fg='red',command=Del,height=5
,width=10)
        Button8.grid(row=2,column=1)
    def LoTView():
        root4=Tk()
        root4.configure(background='black')
        root4.geometry('600x200')
        root4.title('Display')
        def View():
            f=open('ListofTasks.TXT','r')
            s=f.read()
            L=eval(s)
            for i in range(len(L)):
                if L[i]=='List of Tasks':
                    entry5.insert(20,'List of Tasks-')
                else:
                    s=str(i)+'.'+L[i]
                    entry5.insert(20,s)
        label5=Label(root4,text="The list of remaining task will be visible
after you click on view button.",fg='black',bg='white',padx=10,pady=5)
        entry5=Entry(root4)
        label5.grid(row=1,column=1)
        entry5.grid(row=2,column=1)

Button9=Button(root4,text='View',bg='white',fg='red',command=View,height=5,
width=10)
        Button9.grid(row=2,column=5)
    Button4=Button(root1,text='Add',bg='light blue',fg='dark
blue',command=LoTAdd,height=5,width=15)
    Button5=Button(root1,text='Delete',bg='light blue',fg='dark
blue',command=LoTDel,height=5,width=15)
    Button6=Button(root1,text='View All Tasks',bg='light blue',fg='dark
blue',command=LoTView,height=5,width=15)
    Button7=Button(root1,text='Reset Whole List',bg='light blue',fg='dark
blue',command=LoTReset,height=5,width=15)

    Button4.grid(row=5,column=1)
    Button5.grid(row=5,column=4)
    Button6.grid(row=5,column=7)
    label2=Label(root1,text="Here, You can edit your list of daily tasks
you need to complete.",fg='black',bg='light blue',padx=10,pady=20)
    label2.grid(row=1,column=4)
    #Functions for Function 2-Schedule
def Schedule():
    root3=Tk()
    root3.configure(background='green')
    root3.geometry('400x200')
    root3.title('Schedule')

    def SchAdd():
        root7=Tk()
        root7.configure(background='black')
        root7.geometry('600x200')
```

```
        root7.title('Add Schedule')
        def SAdd():
            import csv
            with open('Schedule.csv','a',newline="") as f:
                writer=csv.writer(f)

writer.writerow([str(entry6.get()),str(entry7.get()),str(entry8.get())])
            f.close()
        def SReset():
            import csv
            with open('Schedule.csv','w',newline="") as f:
                writer=csv.writer(f)
                writer.writerow(['Activity Name','Starting TIme','Finishing
Time'])
            f.close()
        label6=Label(root7,text="Enter Activity:-
",fg='black',bg='white',padx=10,pady=5)
        label7=Label(root7,text="Enter Starting Time:-
",fg='black',bg='white',padx=10,pady=5)
        label8=Label(root7,text="Enter Ending
Time",fg='black',bg='white',padx=10,pady=5)
        entry6=Entry(root7)
        entry7=Entry(root7)
        entry8=Entry(root7)
        label6.grid(row=1,column=1)
        label7.grid(row=1,column=4)
        label8.grid(row=1,column=7)
        entry6.grid(row=2,column=1)
        entry7.grid(row=2,column=4)
        entry8.grid(row=2,column=7)

Button11=Button(root7,text='Add',bg='white',fg='red',command=SAdd,height=5,
width=10)
        Button11.grid(row=3,column=4)
        Button12=Button(root7,text='Reset Whole
Schedule',bg='white',fg='red',command=SReset,height=5,width=20)
        Button12.grid(row=3,column=7)
    def SchView():
        root8=Tk()
        root8.configure(background='black')
        root8.geometry('600x200')
        root8.title('View Schedule')
        def View():
            import csv
            with open('Schedule.csv','r',newline="") as f:
                L=csv.reader(f)
                for i in L:
                    text1.insert(INSERT,str(i))
                    text1.insert(INSERT,'\n')
            f.close()

        label9=Label(root8,text="Your Schedule for today is:-
",fg='black',bg='white',padx=10,pady=5)

        text1=Text(root8)
        text1.grid(row=1,column=1)
        label9.grid(row=1,column=5)
```

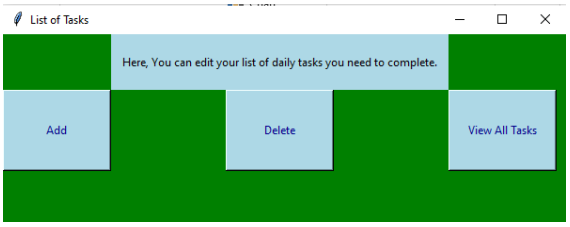
```
Button14=Button(root8,text='View',bg='white',fg='red',command=View,height=5
,width=20)
        Button14.grid(row=3,column=7)


    Button10=Button(root3,text='Add Time Slot/Reset Whole
Schedule',bg='light blue',fg='dark blue',command=SchAdd,height=5,width=40)
    Button10.grid(row=1,column=1)
    Button13=Button(root3,text='View Schedule',bg='light blue',fg='dark
blue',command=SchView,height=5,width=40)
    Button13.grid(row=3,column=1)
#Functions for Function 3-Notemaking
def Notemaking():
    root6=Tk()
    root6.configure(background='green')
    root6.geometry('400x200')
    root6.title('Notemaking')
    def AddNote():
        s=str(entry9.get())
        f=open(s+'.txt','w')
        s1=text2.get("1.0",'end')
        f.write(s1)
        f.close()
    def ViewNote():
        s=str(entry9.get())
        f=open(s+'.txt','r')
        s=f.read()
        text2.insert(INSERT,s)
        f.close()
    label9=Label(root6,text="Enter Name of Note to Write/View as per your
choice.",fg='green',bg='white',padx=10,pady=5)
    label10=Label(root6,text='Write Notes
Below',fg='green',bg='white',padx=10,pady=5)
    entry9=Entry(root6)
    text2=Text(root6)
    Button15=Button(root6,text='Save
Note',bg='white',fg='red',command=AddNote,height=5,width=20)
    Button16=Button(root6,text='View
Note',bg='white',fg='red',command=ViewNote,height=5,width=20)
    label9.grid(row=1,column=1)
    entry9.grid(row=1,column=2)
    label10.grid(row=2,column=1)
    text2.grid(row=3,column=2)
    Button15.grid(row=5,column=3)
    Button16.grid(row=5,column=2)
#Layout of Main Interface
Button1=Button(root,text='List of Tasks',bg='light blue',fg='dark
blue',command=ListofTasks,height=10,width=20)
Button2=Button(root,text='Schedule',bg='light blue',fg='dark
blue',command=Schedule,height=10,width=20)
Button3=Button(root,text='Notemaking',bg='light blue',fg='dark
blue',command=Notemaking,height=10,width=20)
Button1.grid(row=5,column=1)
Button2.grid(row=5,column=6)
Button3.grid(row=5,column=11)
label1=Label(root,text="Welcome to your personal daily planner. Please
choose as per your need.",fg='black',bg='light blue',padx=10,pady=20)
label1.grid(row=6,column=6)
```

OUTPUT

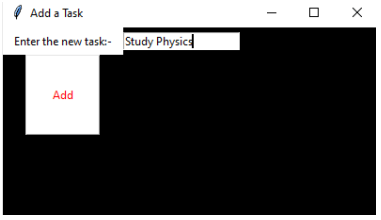
1) Main Interface



1.1) 1st Sub Interface- List of Tasks

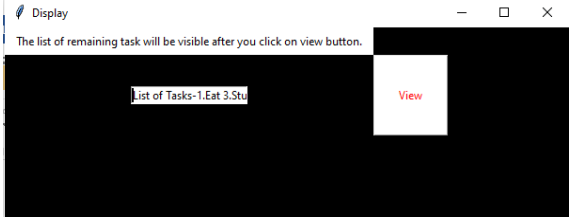


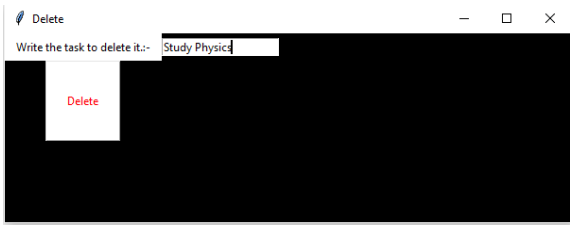
1.1.1) Add Function



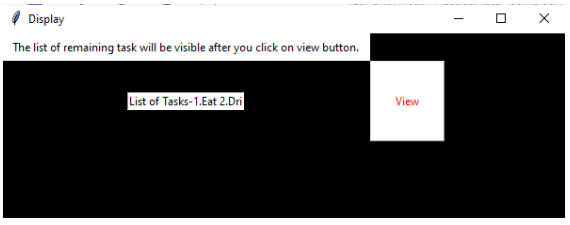
1.1.2) Delete Function and View Function

Before Deleting-(Display/View Box)

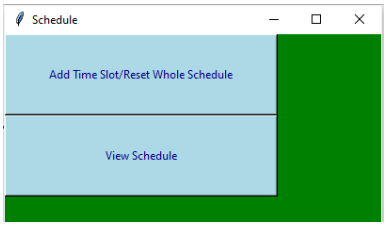




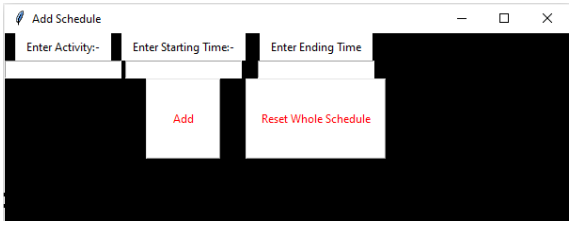
After Deleting-(Display/View Box)

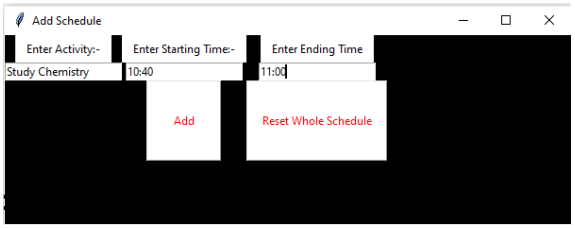


1.2) 2nd Sub Interface- Schedule

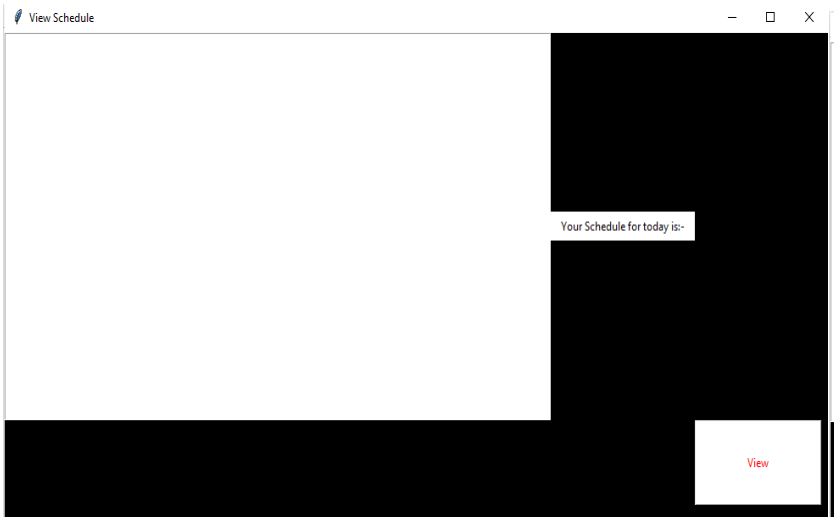


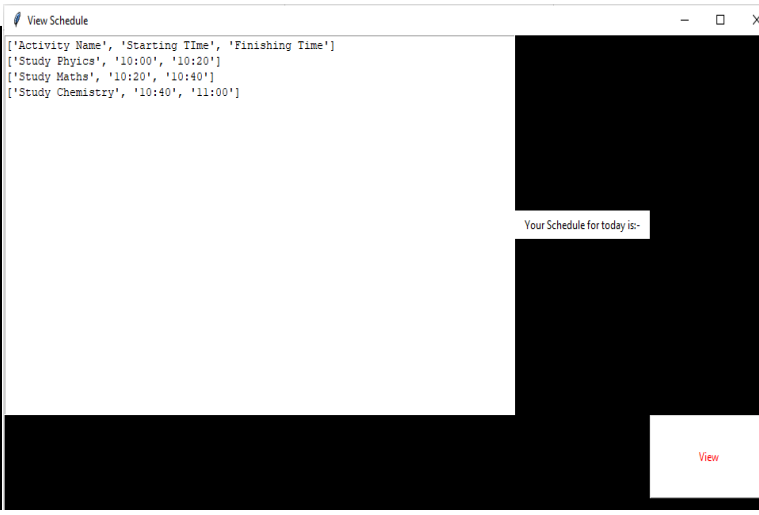
1.2.1) Add Function



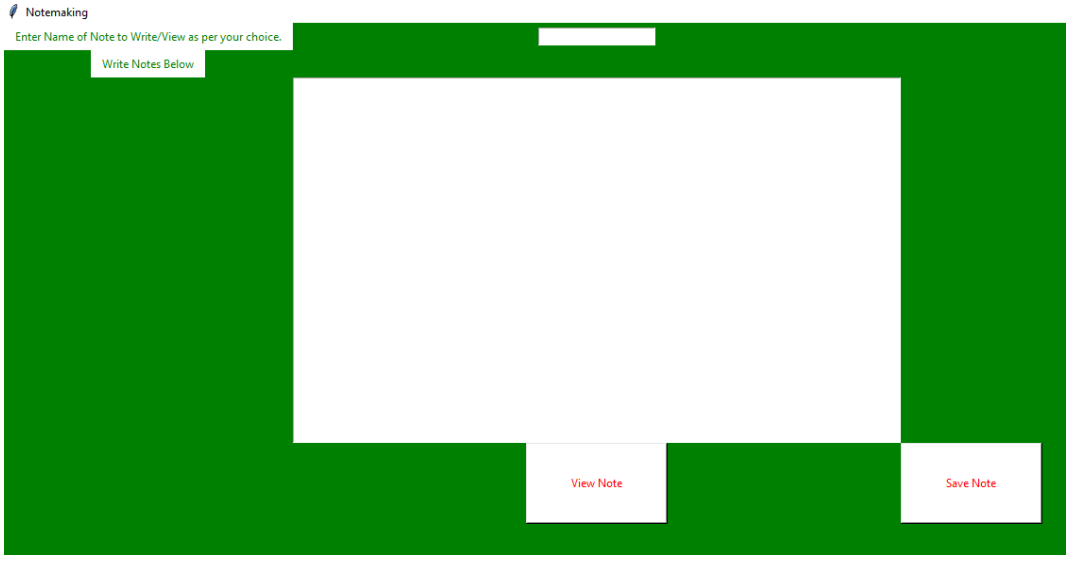


1.2.2) View Function





1.3) 3rd Sub Interface- Make Notes



To view Note, you have to enter the name of the note and then click 'View Note'.

BIBLIOGRAPHY

1. www.googleimages.com
2. https://pythonschoolkvs.wordpress.com/
3. https://www.w3schools.com/python/ (only for some extra tkinter functions)