|  |
| --- |
| PROJECT 2020 |
| PAWS STUDY PLANNER |
| YOUR COMPLETE COMPANION |
|  |



**MAIN MENU DRIVEN PROGRAMME**

import pickle

import csv

import tkinter

import matplotlib.pyplot as plt

import tkinter

print('WELCOME TO PAWS STUDY PLANNER')

print("THIS IS AN APP THAT HELP'S YOU TO ORGANIZE,ANALYZE AND IMPROVE YOUR STUDY PATTERN\nPAWS CAN BE YOUR STUDY COMPANION AND FRIEND")

print('IF NEW, START BY ADDING PERSONAL DETAILS TO ACCESS OTHER UTILITIES')

while True:

print('1.ADD PERSONAL DETAILS')

print('2.ADD STUDY DETAILS')

print('3.ADD STUDY TIME DETAILS')

print('4.ADD MARKS')

print('5.MAKE TIMETABLE ')

print('6.ANALYZE STUDY TIME')

print('7.ANALYZE MARKS OBTAINED')

print('8.LIESURE ACTIVITY SELECTOR')

print('9.TIMER')

print("10.DIARY")

print('11.TO-DO LIST')

print("12.ONLINE CLASS INFO")

ch=int(input('ENTER YOUR CHOICE'))

if ch==1:

import FINAL1

elif ch==2:

import add

elif ch==3:

import timedata

elif ch==4:

import addmark

elif ch==5:

import timetable

timetable.timetable()

elif ch==6:

import plotime

elif ch==7:

import plotmark

plotmark.plot()

elif ch==8:

import leisure

elif ch==9:

import timer

elif ch==10:

import diary

diary.diary()

elif ch==11:

import to\_do

elif ch==12:

import info

info.info()

else:

break

**MODULES AND FUNCTIONS**

1.import csv

def data():

def studentdata():

print('''WELCOME TO THE STUDY PLANNER , LETS START BY ENTERING THE FOLLOWING DATA''')

print("0.NAME , 1.STREAM,2.HOBBIES, 3.HOURS FOR STUDY,4.WAKE UP TIME,5.SLEEP TIME",sep='/n')

n=int(input('ENTER NUMBER OF STUDENTS: '))

lmain=[]

for i in range (n):

name=input('ENTER NAME')

stream=input('ENTER STREAM')

hob=input('ENTER HOBBIE')

hs=input('ENTER HOURS FOR STUDY')

wt=input('ENTER WAKE UP TIME (in 12 hr format only one digit) ')

st=input('ENTER SLEEP TIME (in 12 hr format only one digit)')

l1=[name,stream,hob,hs,wt,st]

lmain.append(l1)

f=open('studentdata.csv','w',newline='')

wr=csv.writer(f,delimiter=',')

wr.writerow(['NAME','STREAM','HOBBIE','STUDYHOURS','WAKE UP','SLEEP'])

wr.writerows(lmain)

f.close()

studentdata()

def display():

import tkinter

window=tkinter.Tk()

window.geometry('500x600')

window.title('STUDENT DATA')

f=open('studentdata.csv','r')

rd=csv.reader(f,delimiter=',')

l2=[]

for row in rd:

l2.append(row)

for i in range (0,len(l2)):

for j in range(len(l2[i])):

l1=tkinter.Label(window,text=l2[i][j]).grid(column=j,row=i)

window.mainloop()

display()

data()

2. import csv

import pickle as p

import tkinter

window=tkinter.Tk()

window.geometry('500x400')

window.configure(bg='grey')

window.title('ADD DETAILS')

def ad\_details():

f=open('data.csv','w',newline='')

wr=csv.writer(f,delimiter=',')

wr.writerow(['NAME','STREAM','SUB1','SUB2','SUB3','SUB4','SUB5'])

name=input('ENTER NAME: ')

stream=input('ENTER STREAM: ')

sub1=input('ENTER SUB1: ')

sub2=input('ENTER SUB2: ')

sub3=input('ENTER SUB3: ')

sub4=input('ENTER SUB4: ')

sub5=input('ENTER SUB5: ')

l=[name,stream,sub1,sub2,sub3,sub4,sub5]

wr.writerow(l)

f.close()

def display():

window=tkinter.Tk()

window.geometry('500x600')

window.title('STUDENT DATA')

f=open('data.csv','r')

rd=csv.reader(f,delimiter=',')

l2=[]

for row in rd:

l2.append(row)

for i in range (0,len(l2)):

for j in range(len(l2[i])):

l1=tkinter.Label(window,text=l2[i][j]).grid(column=j,row=i)

window.mainloop()

f.close()

print('DATA DISPLAYED')

display()

bt1=tkinter.Button(window,text='ADD STUDYDATA',fg='blue',command=ad\_details).grid(columnspan=2)

window.mainloop()

3. import tkinter

window=tkinter.Tk()

window.geometry('200x300')

window.title('STUDY TIME DETAILS')

window.configure(bg='grey')

import pickle

def subtimeday():

subtime={}

n=int(input('enter number of subjects'))

for i in range (n):

sub=input('ENTER SUBJECT: ')

time=float(input('ENTER TIME IN HOURS'))

subtime[sub]=time

f=open('subtimeday.dat','wb')

pickle.dump(subtime,f)

f.close()

def subtimeweek():

subtime={}

n=int(input('enter number of subjects'))

for i in range (n):

sub=input('ENTER SUBJECT: ')

time=float(input('ENTER TIME IN HOURS'))

subtime[sub]=time

f=open('subtimeweek.dat','wb')

pickle.dump(subtime,f)

f.close()

def subtimemonth():

subtime={}

n=int(input('enter number of subjects'))

for i in range (n):

sub=input('ENTER SUBJECT: ')

time=float(input('ENTER TIME IN HOURS'))

subtime[sub]=time

f=open('subtimemonth.dat','wb')

pickle.dump(subtime,f)

f.close()

bt1=tkinter.Button(window,text='PER DAY',fg='brown',bg='yellow',command=subtimeday).grid(column=1,row=0)

bt2=tkinter.Button(window,text='PER WEEK',fg='brown',bg='yellow',command=subtimeweek).grid(column=2,row=0)

bt3=tkinter.Button(window,text='PER MONTH',fg='brown',bg='yellow',command=subtimemonth).grid(column=3,row=0)

window.mainloop()

4. from tkinter import \*

import csv

window=Tk()

window.geometry('200x300')

window.configure(bg='grey')

window.title('MARKS')

def addmarkm():

f=open('markm.csv','w',newline='')

wr=csv.writer(f,delimiter=',')

wr.writerow(['SUBJECT','MARKS'])

for i in range(5):

sub=input('ENTER SUBJECCT: ')

marks=input('ENTER MARKS: ')

wr.writerow([sub,marks])

print('DATA ADDED')

def addmarkt():

f=open('markt.csv','w',newline='')

wr=csv.writer(f,delimiter=',')

wr.writerow(['SUBJECT','MARKS'])

for i in range(5):

sub=input('ENTER SUBJECCT: ')

marks=input('ENTER MARKS: ')

wr.writerow([sub,marks])

print('DATA ADDED')

bt1=Button(window,text='MONTHLY MARK',fg='blue',command=addmarkm).grid(columnspan=2)

bt2=Button(window,text='TERMINAL MARK',fg='blue',command=addmarkt).grid(columnspan=2)

window.mainloop()

5. def timetable():

import csv

dict1={}

l1=[]

f=open('data.csv','r')

rd=csv.reader(f,delimiter=',')

next(rd)

for row in rd:

l1=row[2:7]

print(l1)

print('ENTER NUMBER HOURS CORRESPONDING TO EACH SUBJECT ')

l2=[]

for i in range (len(l1)):

t=int(input('enter number of hours'))

l2.append(t)

dict1[l1[i]]=t

f.close()

print(l2)

print(dict1)

l=l2

f=open('studentdata.csv','r')

rd=csv.reader(f,delimiter=',')

for row in rd:

w=row[4]

s=row[5]

for i in range(len(l)):

if i==0:

t1=int(w)+l[i]

t2=t1+l[i+1]

t3=int(s)-(l[i+2]+l[i+3]+l[i+4])-1

t4=int(s)-(l[i+3]+l[i+4])-1

t5=int(s)-(l[i+4])-1

else:

break

l3=[t1,t2,t3,t4,t5]

print(l3)

def display():

import tkinter

window=tkinter.Tk()

window.geometry('200x300')

window.configure(bg='grey')

window.title('TIMETABLE')

L1=tkinter.Label(window,text=l1[0]).grid(column=0,row=0)

L2=tkinter.Label(window,text=(w,'am','-', l3[0],'am')).grid(column=1,row=0)

L3=tkinter.Label(window,text=l1[1]).grid(column=0,row=1)

L4=tkinter.Label(window,text=(l3[0],'am','-', l3[1],'am')).grid(column=1,row=1)

L5=tkinter.Label(window,text=l1[2]).grid(column=0,row=2)

L6=tkinter.Label(window,text=(l3[2],'pm','-', l3[3],'pm')).grid(column=1,row=2)

L7=tkinter.Label(window,text=l1[3]).grid(column=0,row=3)

L8=tkinter.Label(window,text=(l3[3],'pm','-', l3[4],'pm')).grid(column=1,row=3)

L9=tkinter.Label(window,text=l1[4]).grid(column=0,row=4)

L10=tkinter.Label(window,text=(l3[4],'pm','-', s,'pm')).grid(column=1,row=4)

window.mainloop()

display()

6. import pickle

import matplotlib.pyplot as plt

def subtimeday\_plt():

f=open('subtimeday.dat','rb')

dict1=pickle.load(f)

f.close()

x=[]

y=[]

for i in dict1:

x.append(i)

y.append(dict1[i])

plt.plot(x,y)

plt.xlabel('subjects')

plt.ylabel('number of hours')

plt.title('sub-time')

plt.show()

def subtimeweek\_plt():

f=open('subtimeweek.dat','rb')

dict1=pickle.load(f)

f.close()

x=[]

y=[]

for i in dict1:

x.append(i)

y.append(dict1[i])

plt.plot(x,y)

plt.xlabel('subjects')

plt.ylabel('number of hours')

plt.title('sub-time')

plt.savefig("week.png")

plt.show()

def subtimemonth\_plt():

f=open('subtimemonth.dat','rb')

dict1=pickle.load(f)

f.close()

x=[]

y=[]

for i in dict1:

x.append(i)

y.append(dict1[i])

plt.plot(x,y)

plt.xlabel('subjects')

plt.ylabel('number of hours')

plt.title('sub-time')

plt.savefig("week.png")

plt.show()

while True:

print('ENTER ANY OTHER NUMBER THAN 1,2 TO EXIT')

print('1.day\_time graph')

print('2.week\_time graph')

print('3.month\_time graph')

ch=int(input('ENTER YOUR CHOICE: '))

if ch==1:

subtimeday\_plt()

elif ch==2:

subtimeweek\_plt()

elif ch==3:

subtimemonth\_plt()

else:

break

7. def plot():

import matplotlib.pyplot as plt

import csv

def plotm():

f=open('markm.csv','r')

rd=csv.reader(f,delimiter=',')

x=[]

y=[]

for row in rd:

x.append(row[0])

y.append(row[1])

plt.bar(x,y,color='blue')

plt.xlabel('SUBJECT')

plt.ylabel('MARKS')

plt.show()

def plott():

f=open('markt.csv','r')

rd=csv.reader(f,delimiter=',')

x=[]

y=[]

for row in rd:

x.append(row[0])

y.append(row[1])

plt.bar(x,y,color='blue')

plt.xlabel('SUBJECT')

plt.ylabel('MARKS')

plt.show()

while True:

print('TO EXIT ENTER ANY OTHER NUMBER THAN 1,2')

print('1.MONTHLY MARK')

print('2.TERMINAL MARK')

ch=int(input('enter choice'))

if ch==1:

plotm()

elif ch==2:

plott()

else:

break

8. import random

def leisure():

n=int(input('ENTER NUMBER OF LEISURE ACTIVITIES YOU WISH TO CHOOSE FROM'))

l=[]

for i in range (n):

les=input('ENTER ACTIVITY NAME')

l.append(les)

print('LEISURE ACTIVITY CHOSEN IS')

c=random.randint(0,len(l)-1)

print(l[c])

leisure()

9. import time

from datetime import date

print('WELCOME TO TIMER')

st=input("LET'S START? (y/n): ")

if st == 'y':

start= True

t=int(input('ENTER FOR HOW MANY HOURS (only whole number)'))

sec=0

Min=0

while start:

sec+=1

time.sleep(1)

if sec==60:

sec=0

Min+=1

if Min==60\*t:

print('YOU DID IT!')

today=date.today()

d4 = today.strftime("%b-%d-%Y")

print(d4)

break

10. def diary():

import pickle

def add():

f=open('username.dat','wb')

us=input('enter username')

pa=input('enter password')

l1=[us,pa]

pickle.dump(l1,f)

f.close()

add()

import tkinter

window=tkinter.Tk()

window.title('DIARYLOCK')

window.configure(bg='grey')

L1=tkinter.Label(window,text='USERNAME').grid(column=0,row=0)

txt1=tkinter.Entry(window,width=20)

txt1.grid(column=1,row=0)

L2=tkinter.Label(window,text='PASSWORD').grid(column=0,row=1)

txt2=tkinter.Entry(window,width=20,show='\*')

txt2.grid(column=1,row=1)

def diary\_entry():

f=open('username.dat','rb')

l1=pickle.load(f)

f.close()

m=txt1.get()

n=txt2.get()

if m==l1[0] and n==l1[1]:

print("LET'S WRITE TODAY'S DIARY ENTRY")

st=input(' ')

l=st.split('.')

try:

f=open('diaryentry.dat','wb')

pickle.dump(l,f)

print('YOUR ENTRY IS SAFE')

except :

print('error occurd')

else:

print('INCORRECT USERNAME OR PASSWORD')

def diary\_read():

m=txt1.get()

n=txt2.get()

if m=='naseeha' and n=='1234':

f=open('diaryentry.dat','rb')

l=pickle.load(f)

st=''

for i in l:

st+=(i+'.')

print(st)

else:

print('INCORRECT PASSWORD OR USERNAME')

bt1=tkinter.Button(window,text='WRITE',fg='green',command=diary\_entry).grid(columnspan=2)

bt2=tkinter.Button(window,text='READ',fg='green',command=diary\_read).grid(columnspan=2)

window.mainloop()

diary()

11. import pickle

from tkinter import \*

from datetime import date

def todo\_list():

window=Tk()

window.title('TO DO LIST')

window.geometry('200x300')

window.configure(bg='grey')

def to\_do():

n=int(input('ENTER NUMBER OF ACTIVITIES TO DO: '))

dict1={}

l1=[]

for i in range(n):

todo=input('ENTER ACTIVITY')

l1.append(todo)

today=date.today()

d4 = today.strftime("%b-%d-%Y")

dict1[d4]=todo

f=open('todo.dat','wb')

pickle.dump(dict1,f)

f.close()

def printc():

print('HURRAY!!WORK DONE!')

for i in range (len(l1)):

but=Checkbutton(window,text=l1[i],command=printc).grid(column=0,row=i)

bt1=Button(window,text='MAKE TO DO',command=to\_do).grid(columnspan=2)

window.mainloop()

todo\_list()

12. def info():

import pickle

import tkinter

window=tkinter.Tk()

window.geometry('200x300')

window.configure(bg='grey')

window.title('ONLINE CLASS INFO')

def google\_meet():

dict1={}

for i in range (5):

sub=input('ENTER SUBJECT')

code=input('ENTER CODE')

dict1[sub]=code

f=open('googlemeet.dat','wb')

pickle.dump(dict1,f)

f.close()

def zoom():

dict1={}

for i in range (5):

sub=input('ENTER SUBJECT ')

code=input('ENTER CODE ')

password=input('ENTER PASSWORD ')

if (code.isdigit()and len(code)==10) and password.isdigit():

dict1[sub]=[code,password]

else:

print('INVALID CODE OR PASSWORD')

zoom()

f=open('zoom.dat','wb')

pickle.dump(dict1,f)

f.close()

def class\_room():

dict1={}

for i in range (5):

sub=input('ENTER SUBJECT')

code=input('ENTER CODE')

if code.isalnum():

dict1[sub]=code

else:

print('INVALID CODE')

f=open('classroom.dat','wb')

pickle.dump(dict1,f)

f.close()

def cisco():

dict1={}

for i in range (5):

sub=input('ENTER SUBJECT ')

code=input('ENTER CODE ')

password=input('ENTER PASSWORD ')

if (code.isdigit()and len(code)==10):

dict1[sub]=[code,password]

else:

print('INVALID CODE OR PASSWORD')

cisco()

f=open('cisco.dat','wb')

pickle.dump(dict1,f)

f.close()

def other():

dict1={}

t=input('PASSWORD REQUIRED? (y/n)')

if t==y:

dict1={}

for i in range (5):

sub=input('ENTER SUBJECT ')

code=input('ENTER CODE ')

password=input('ENTER PASSWORD ')

if (code.isdigit()and len(code)==10) and password.isdigit():

dict1[sub]=[code,password]

else:

print('INVALID CODE OR PASSWORD')

other()

f=open('otherp.dat','wb')

pickle.dump(dict1,f)

f.close()

else:

dict1={}

for i in range (5):

sub=input('ENTER SUBJECT')

code=input('ENTER CODE')

if code.isaplha() and len(code)==10:

dict1[sub]=code

else:

print('INVALID CODE')

other()

f=open('other.dat','wb')

pickle.dump(dict1,f)

f.close()

def display():

print('1.GOOGLE MEET')

f=open('googlemeet.dat','rb')

d=pickle.load(f)

for i in d:

print('SUB',i,'\t\t','CODE: ',d[i])

f.close()

print('2.ZOOM')

f2=open('zoom.dat','rb')

d2=pickle.load(f2)

for i in d2:

print('SUB',i,'\t\t','CODE: ',d[i][0],'\t\t','PASSWORD: ',d[i][1])

f2.close()

print('3.CLASSROOM')

f3=open('classroom.dat','rb')

d3=pickle.load(f3)

for i in d3:

print('SUB',i,'\t\t',d3[i])

f3.close()

print('4.CISCO WebEx')

f4=open('cisco.dat','rb')

d4=pickle.load(f4)

for i in d4:

print('SUB',i,'\t\t','CODE: ',d4[i][0],'\t\t','PASSWORD',d4[i][1])

f4.close()

print('5.OTHER (password)')

f5=open('otherp.dat','rb')

d5=pickle.load(f5)

for i in d5:

print('SUB',i,'\t\t','CODE: ',d5[i][0],'PASSWORD: ',D5[i][1])

f.close()

print('6.OTHER')

f6=open('other.dat','rb')

d6=pickle.load(f6)

for i in d6:

print('SUB',i,'\t\t','CODE: ',d6[i])

f6.close()

bt1=tkinter.Button(window,text='GOOGLE MEET',command=google\_meet).grid(columnspan=2)

bt2=tkinter.Button(window,text='ZOOM',command=zoom).grid(columnspan=2)

bt3=tkinter.Button(window,text='CLASSROOM',command=class\_room).grid(columnspan=2)

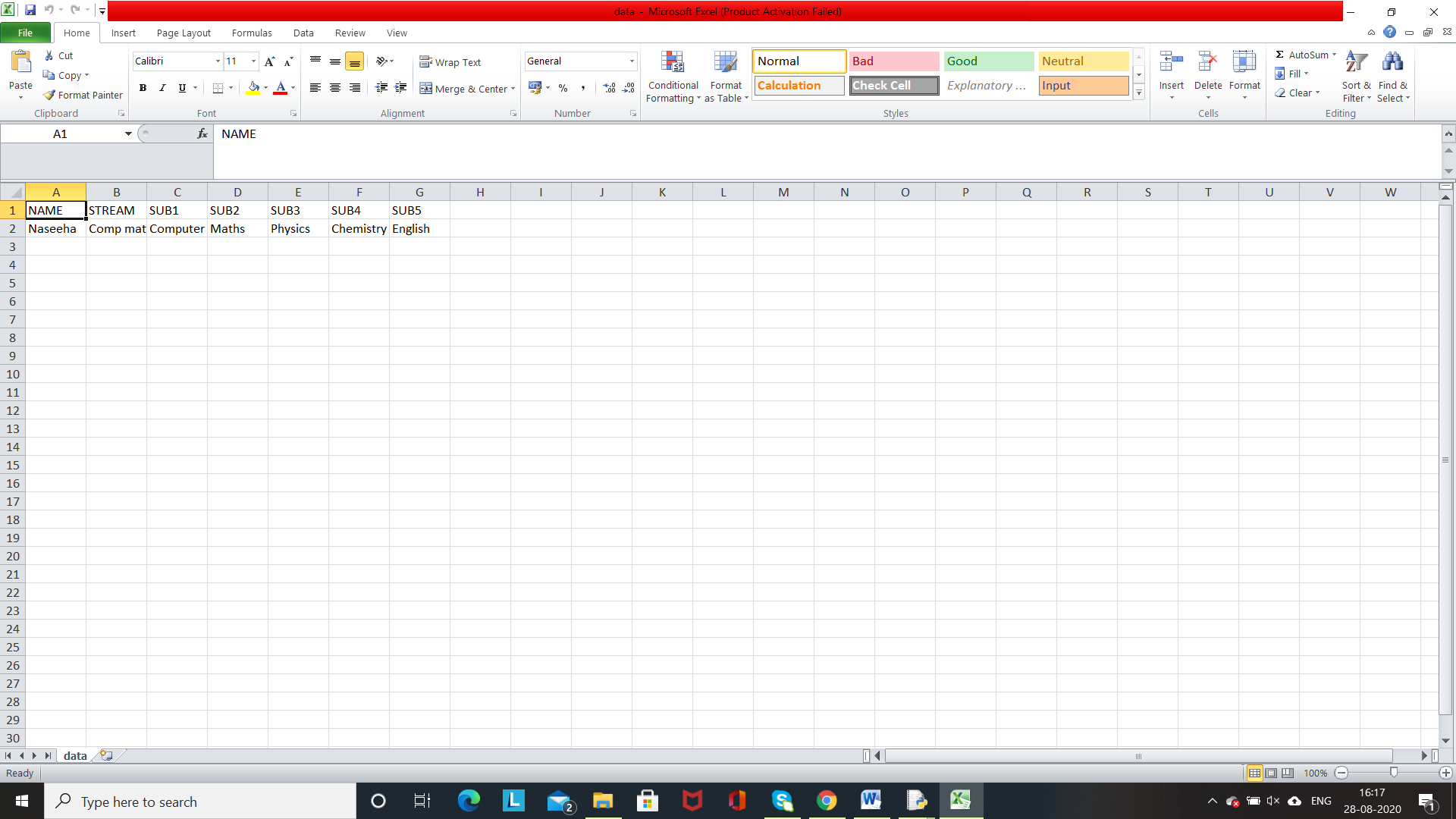
bt4=tkinter.Button(window,text='WebEx',command=cisco).grid(columnspan=2)

bt5=tkinter.Button(window,text='OTHER',command=other).grid(columnspan=2)

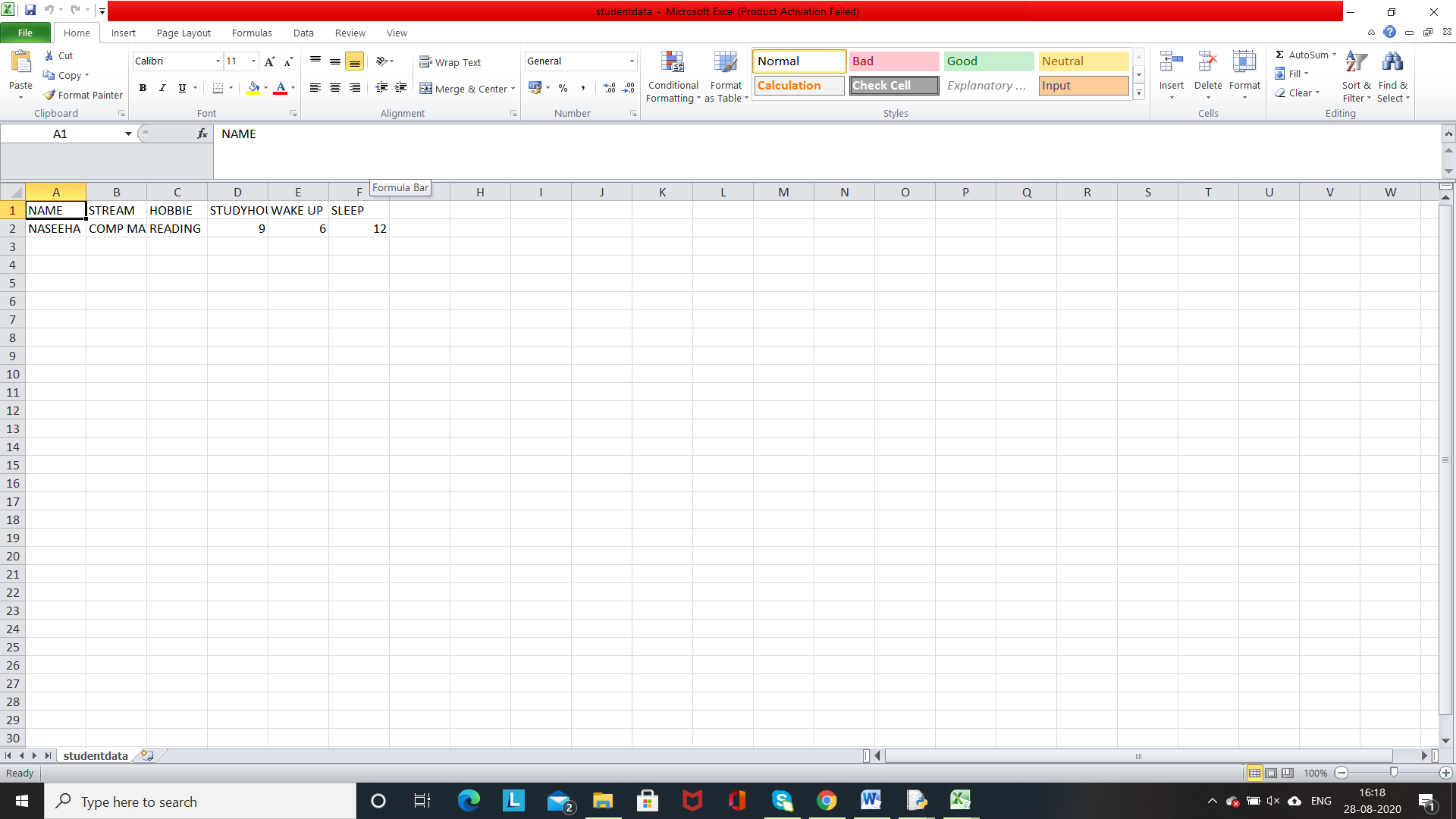
bt6=tkinter.Button(window,text='DISPLAY',command=display).grid(columnspan=2)

**FILES**

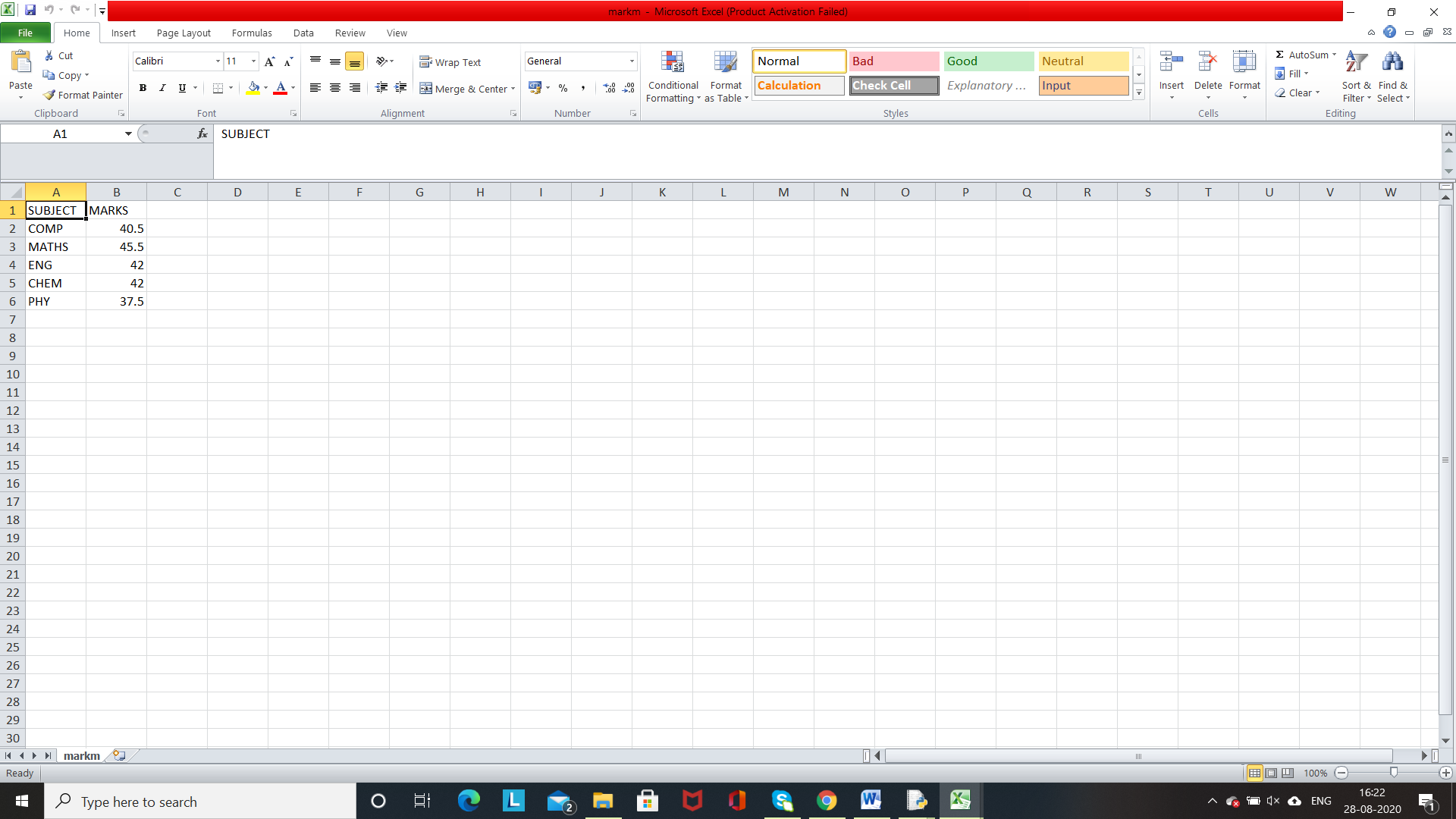
1.DATA.csv



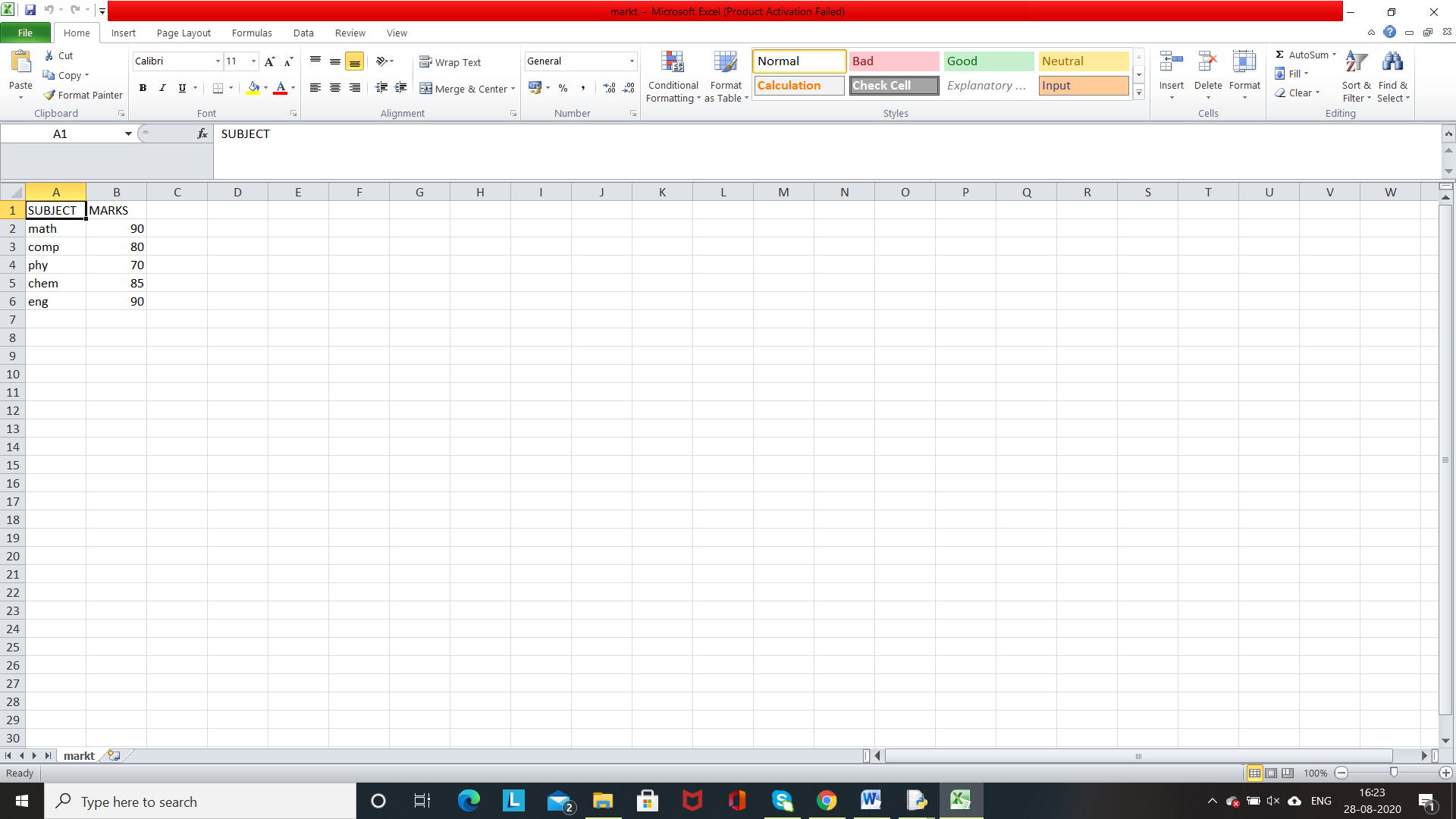
2.studentdata.csv



3.markm.csv

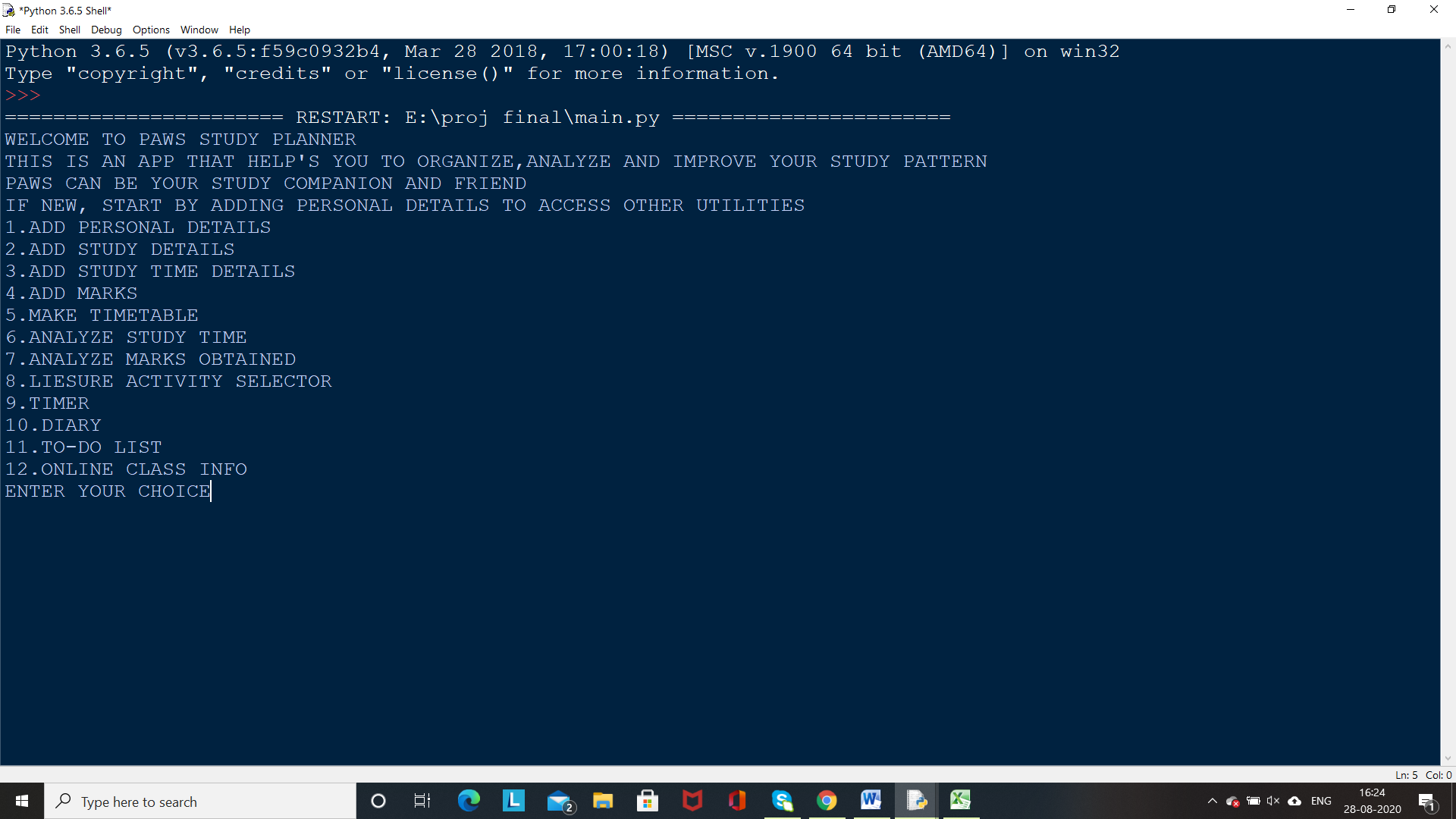


4.markt.csv

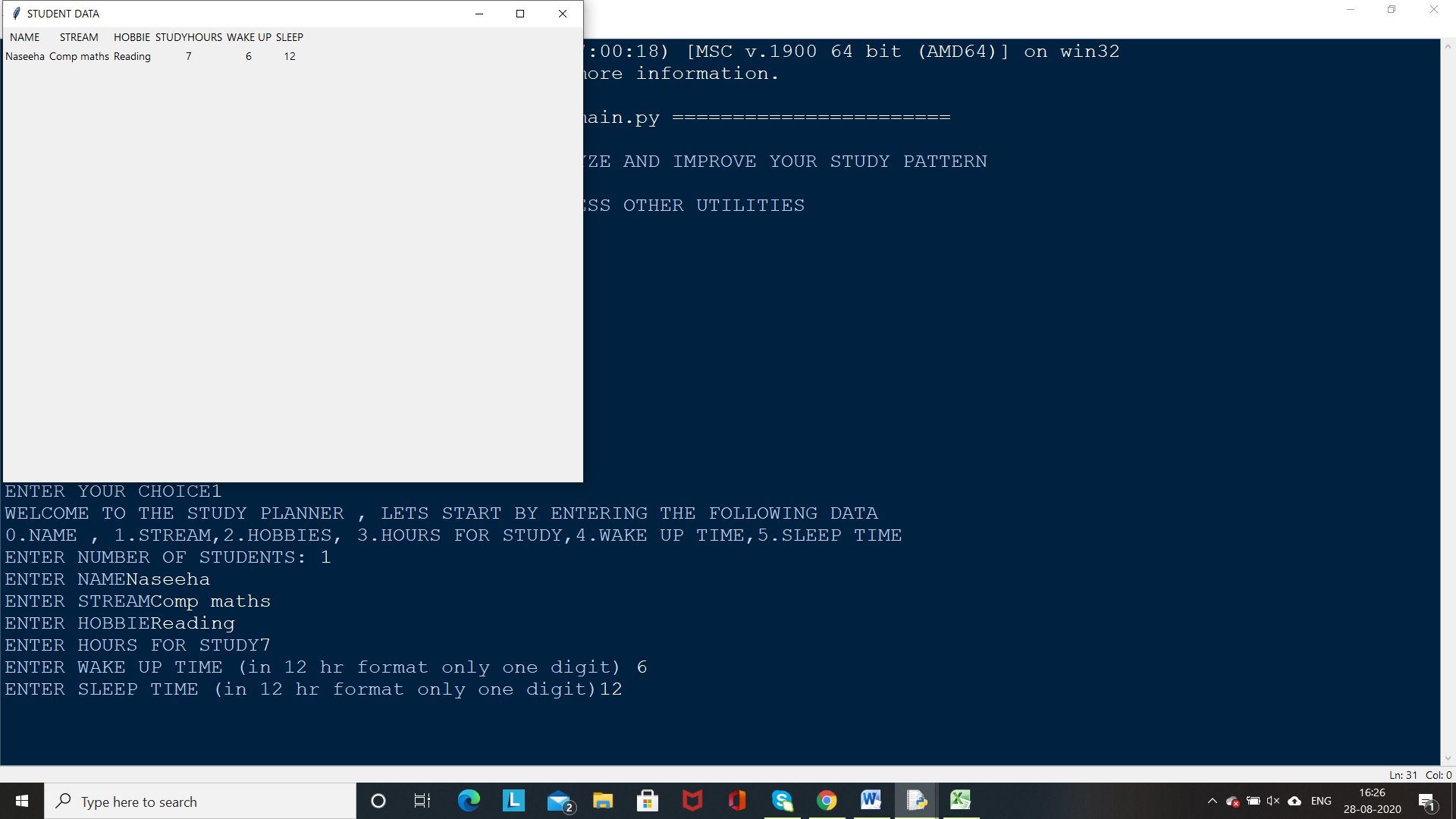


**OUTPUT**

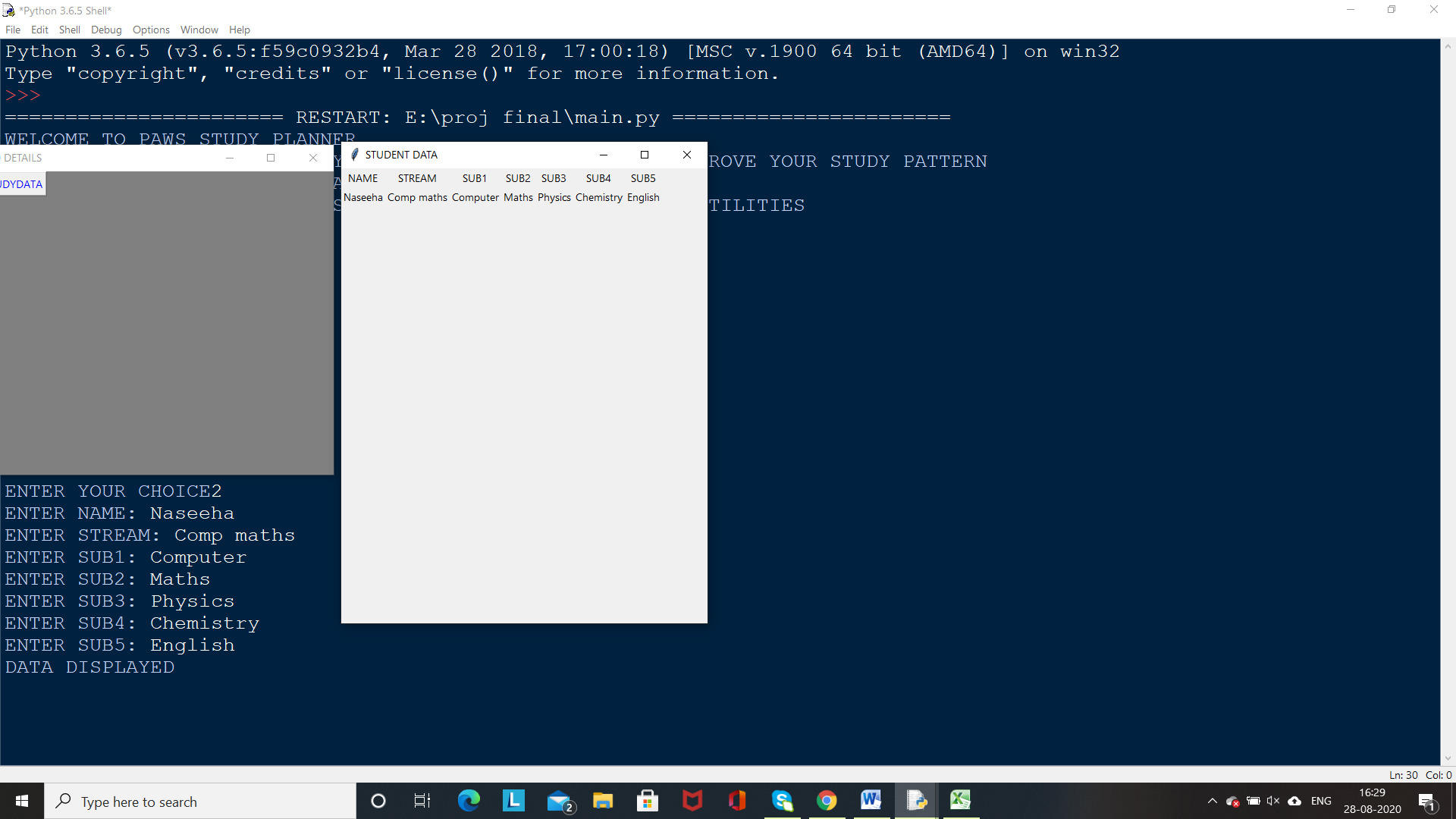
**Main menu**



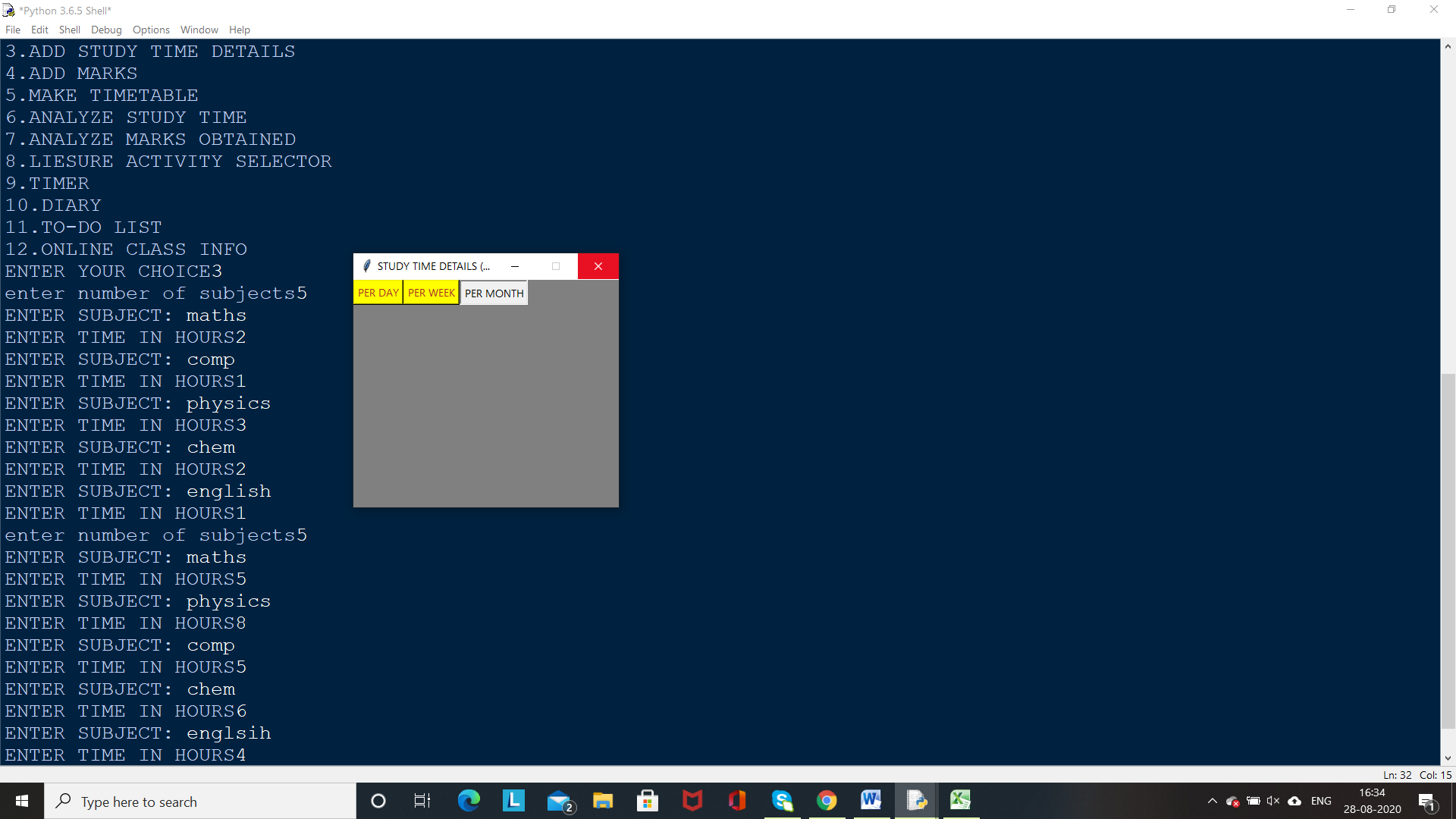
2.add function



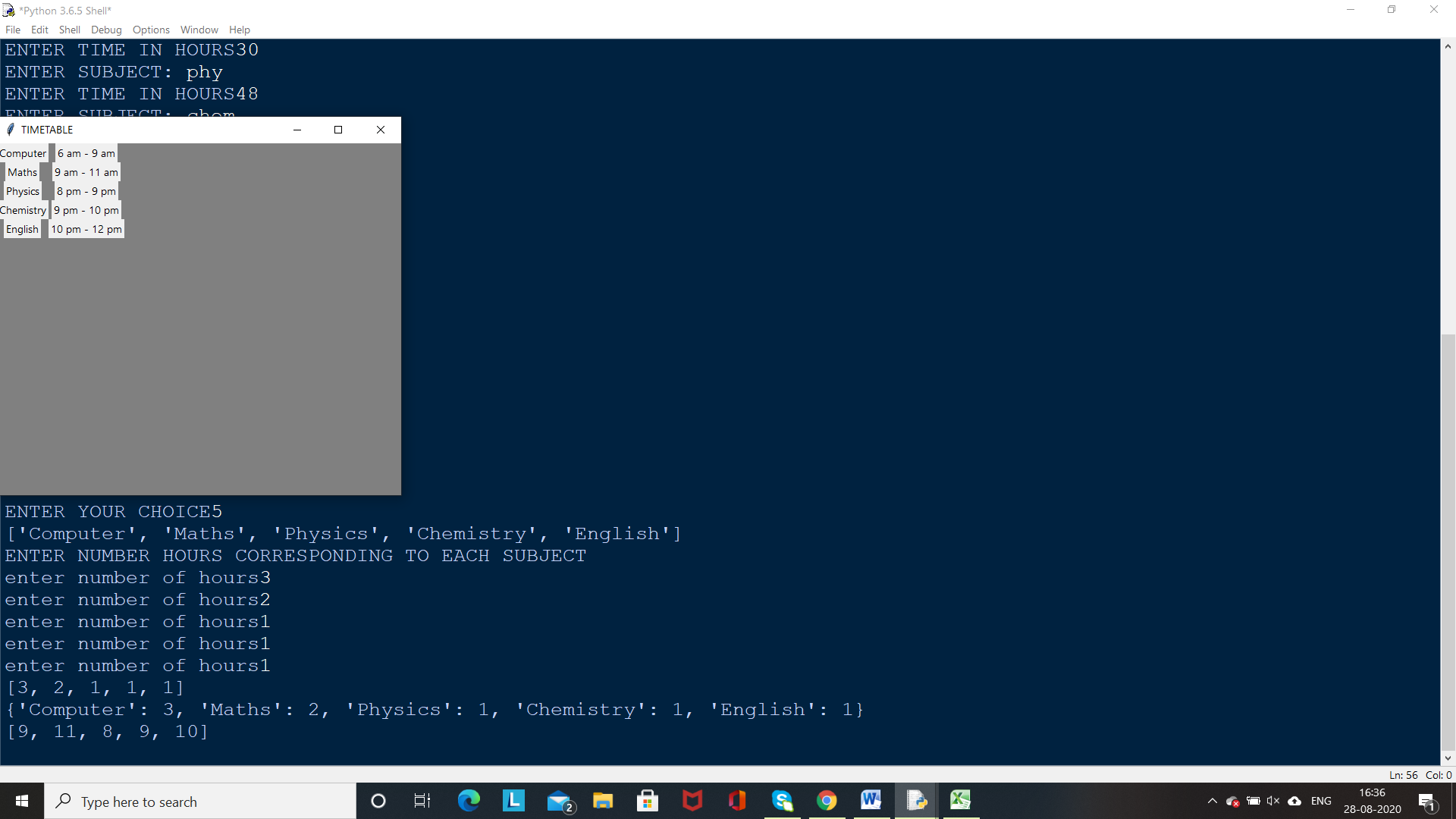
3.FINAL1 function



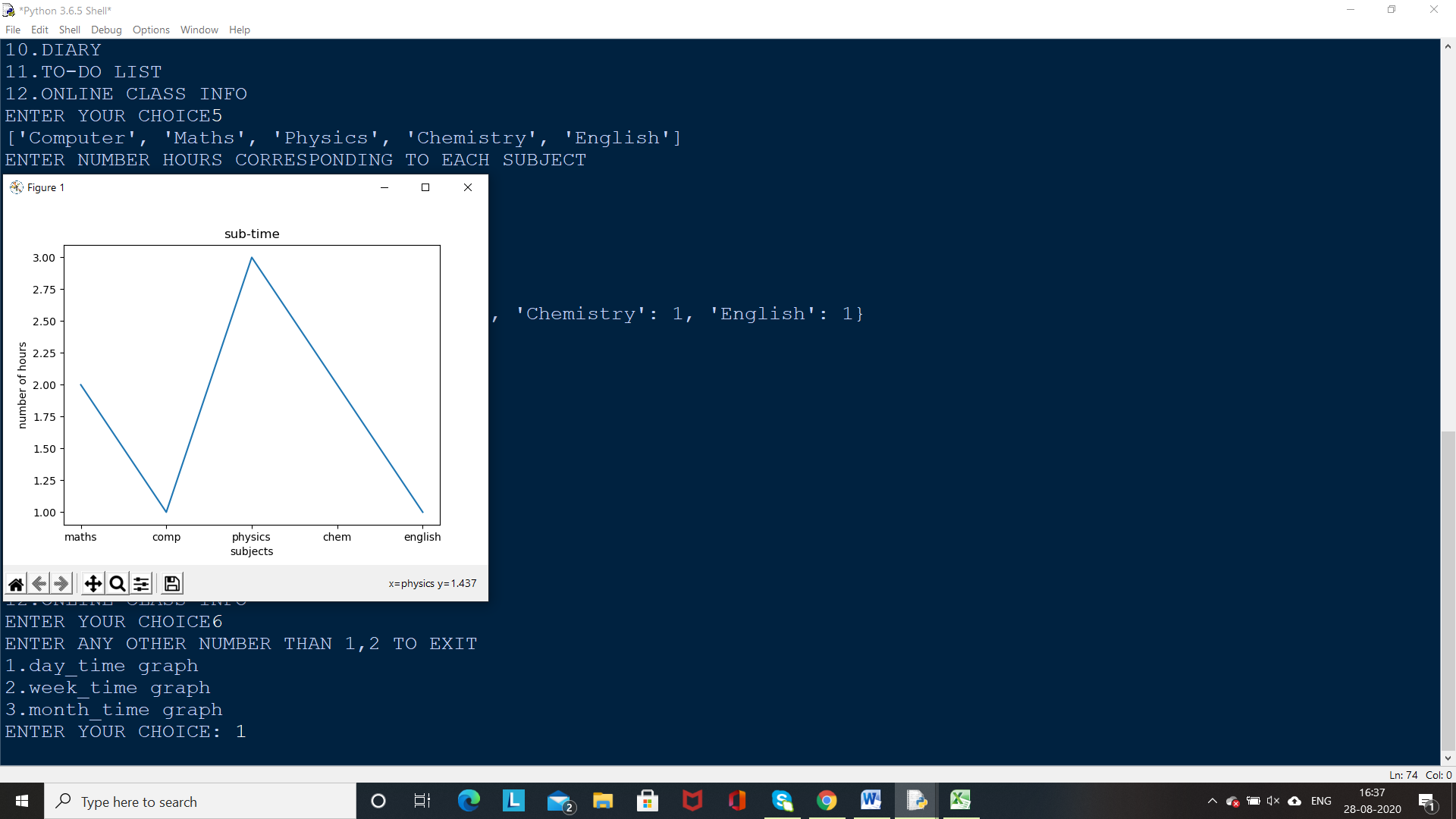
4.time function

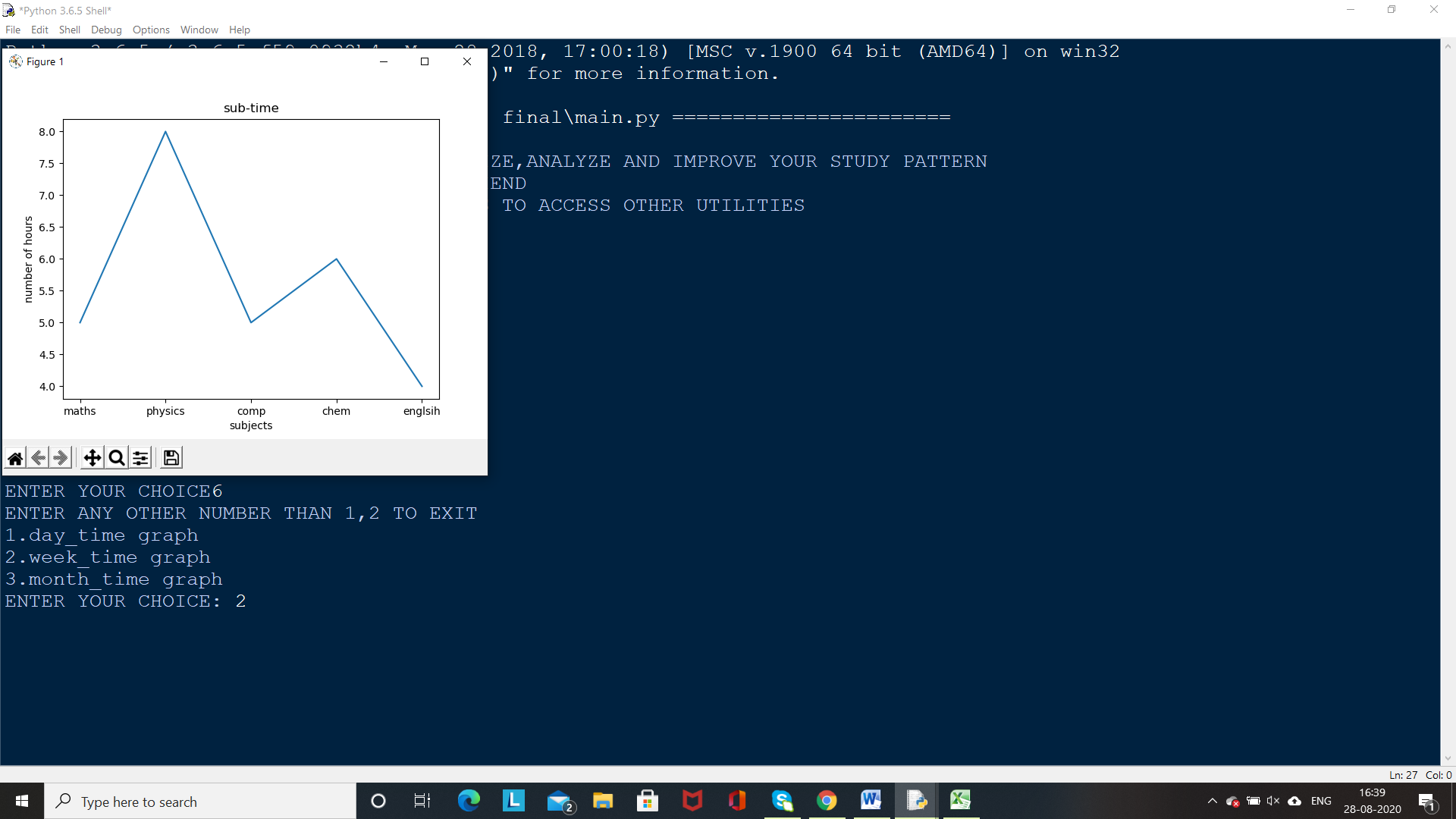


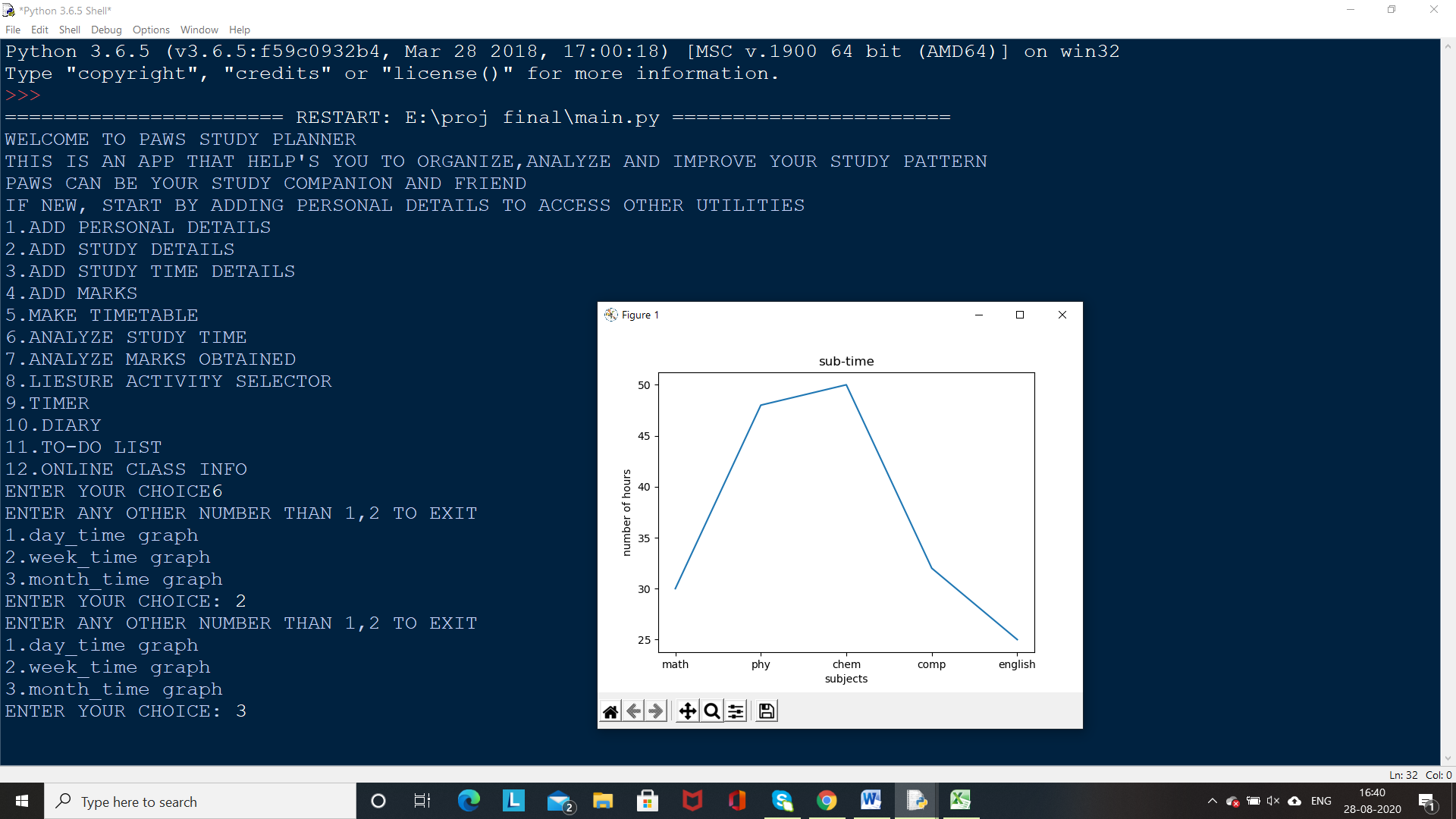
5.timetable function



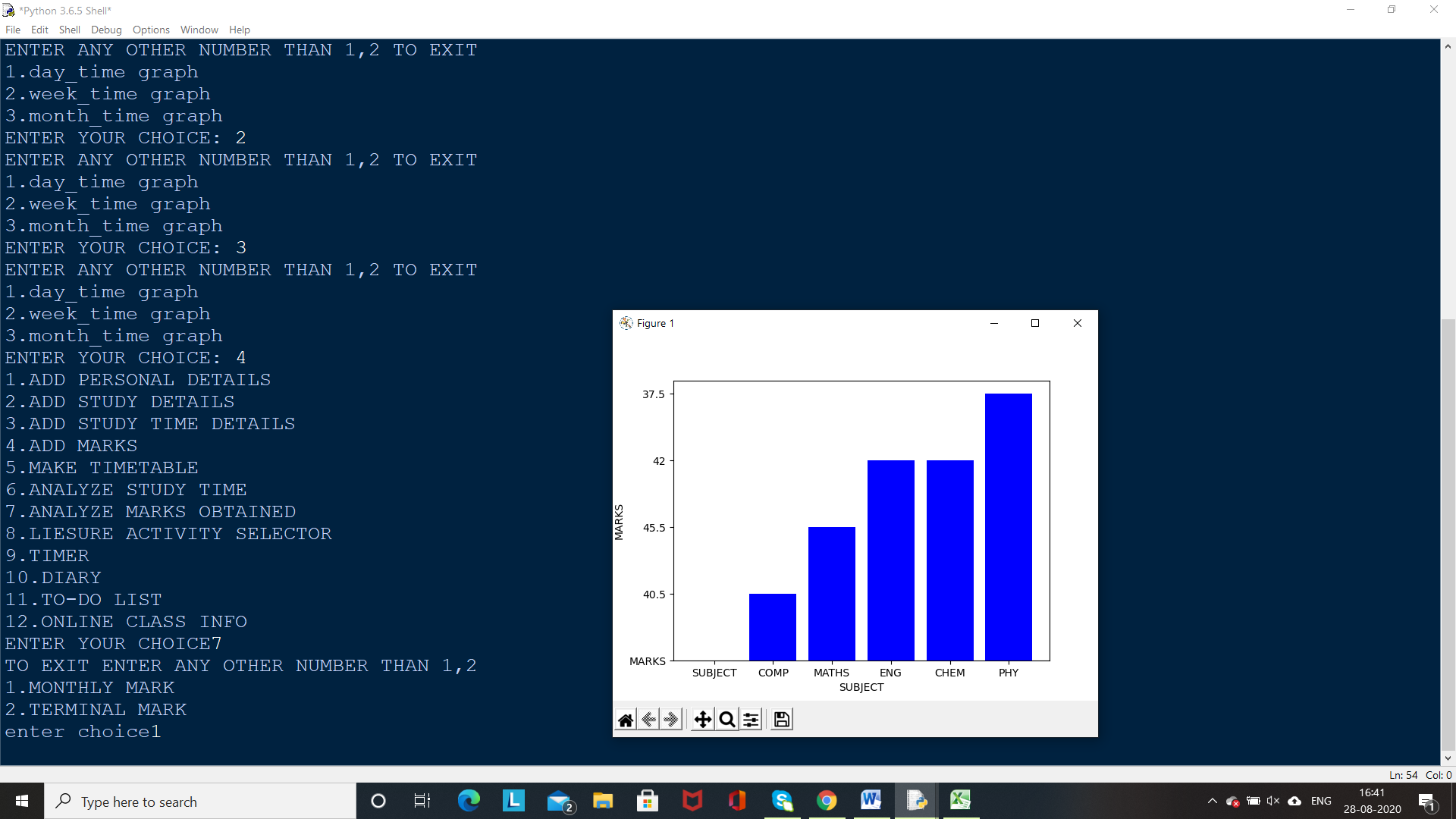
6.plot function

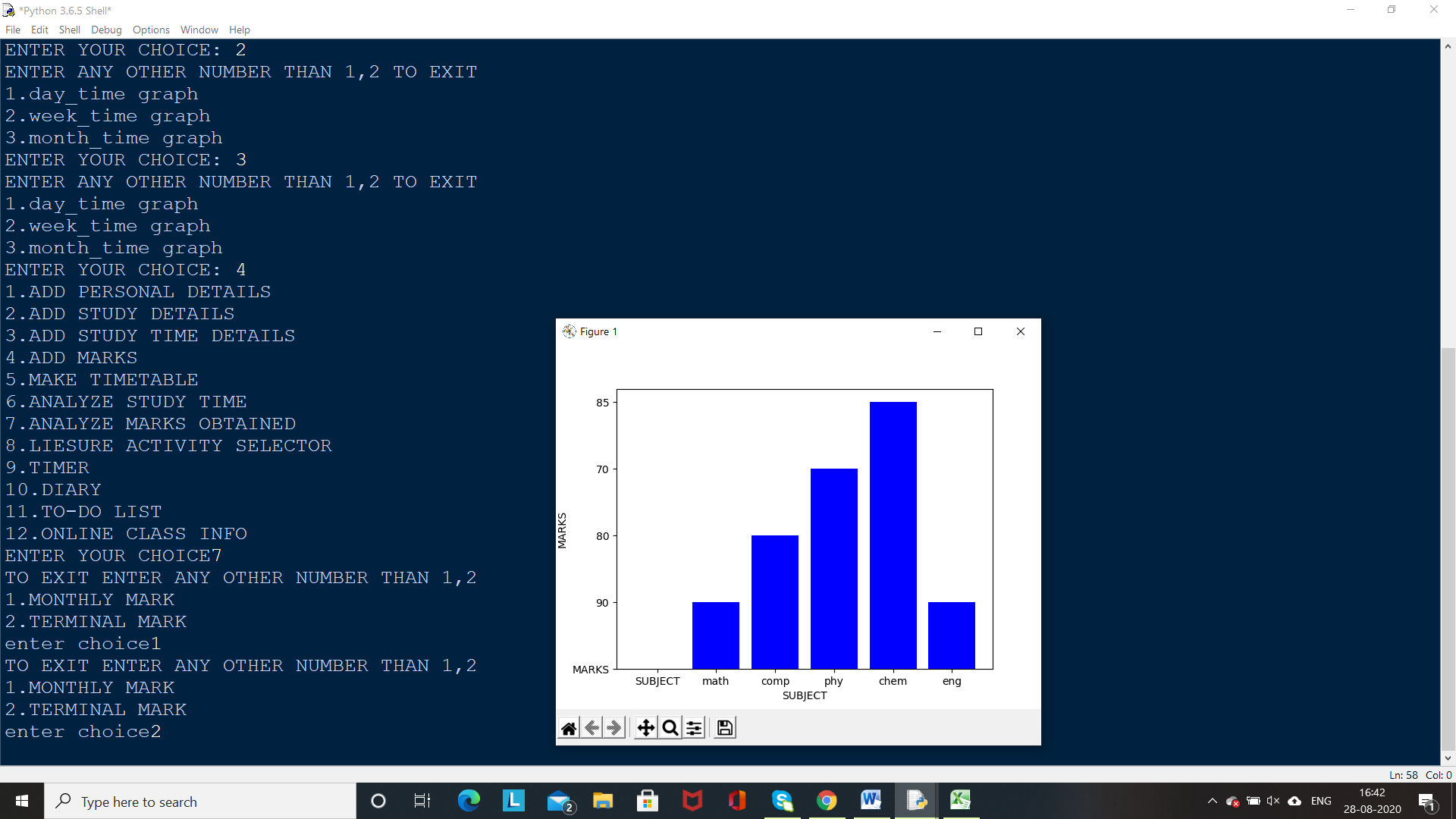




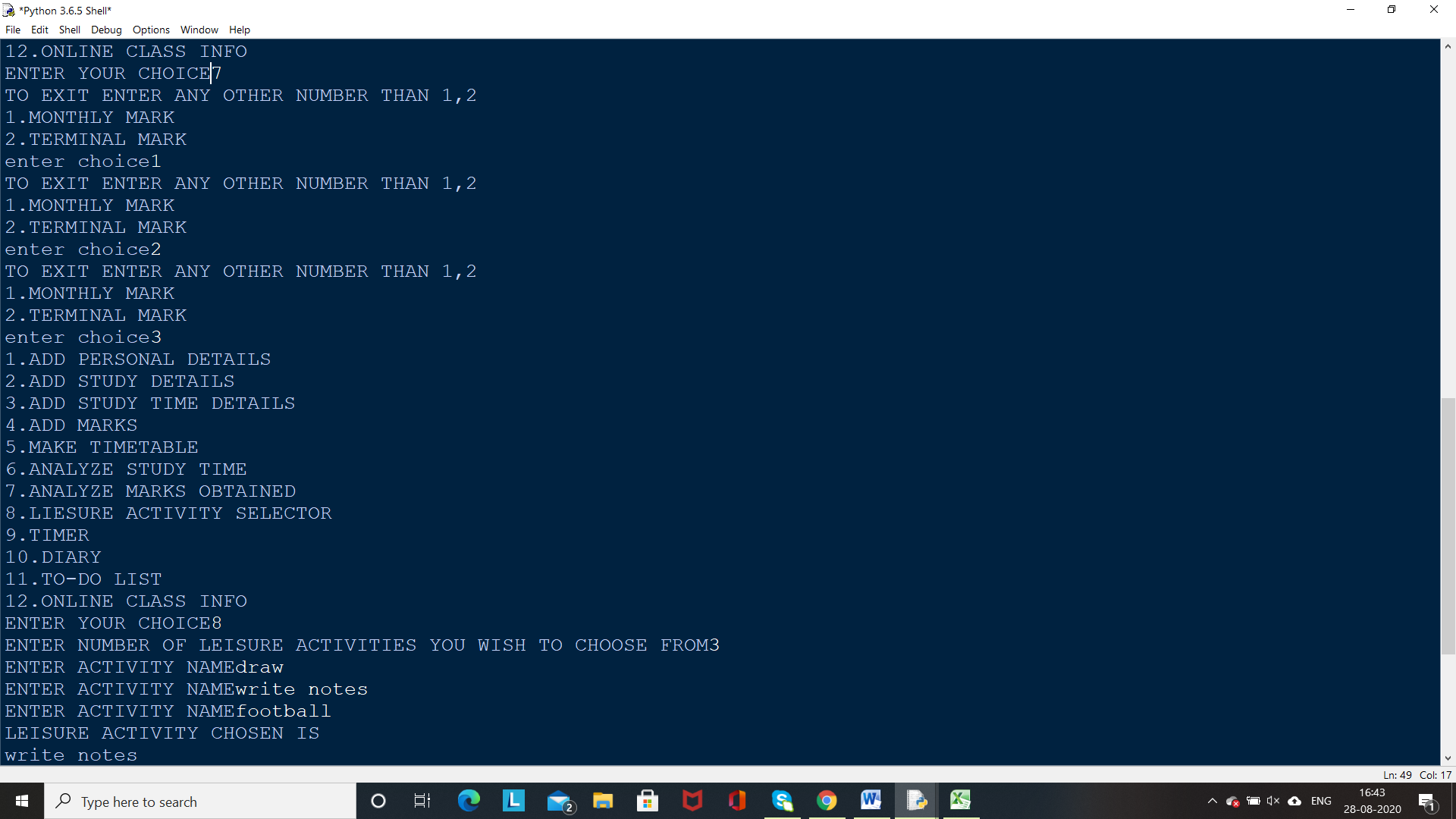


8.plotmark function

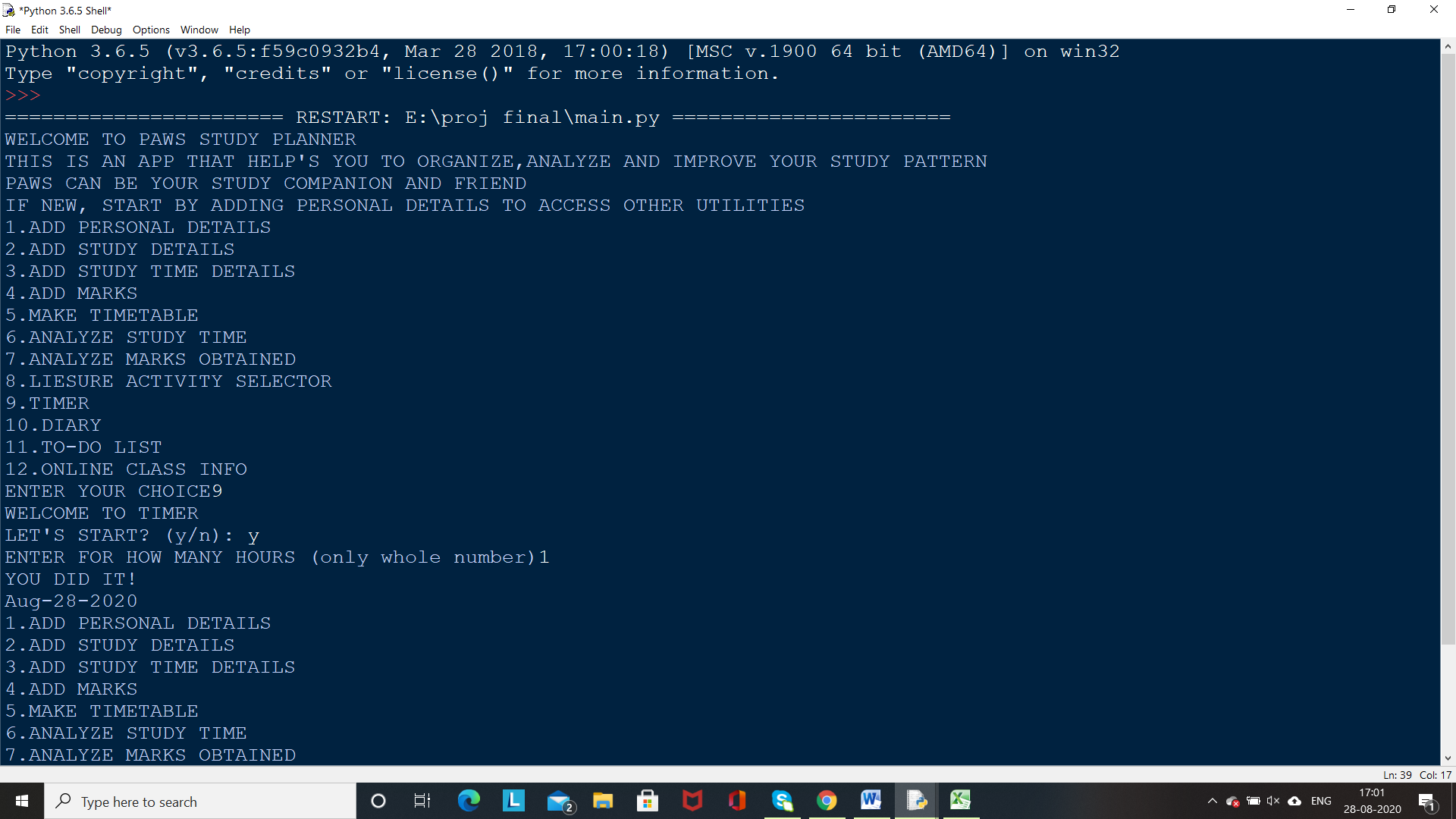




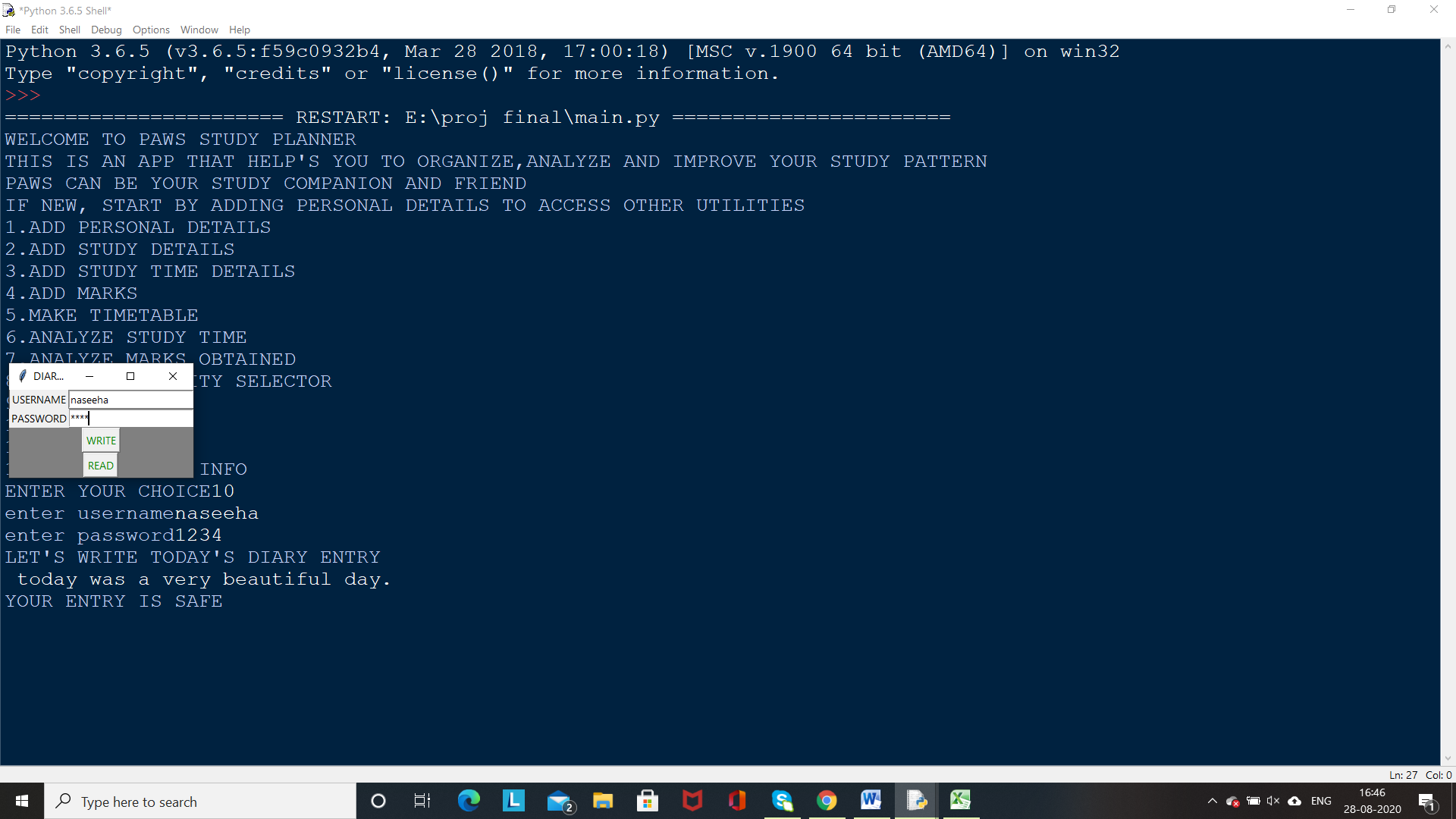
9.leisure module



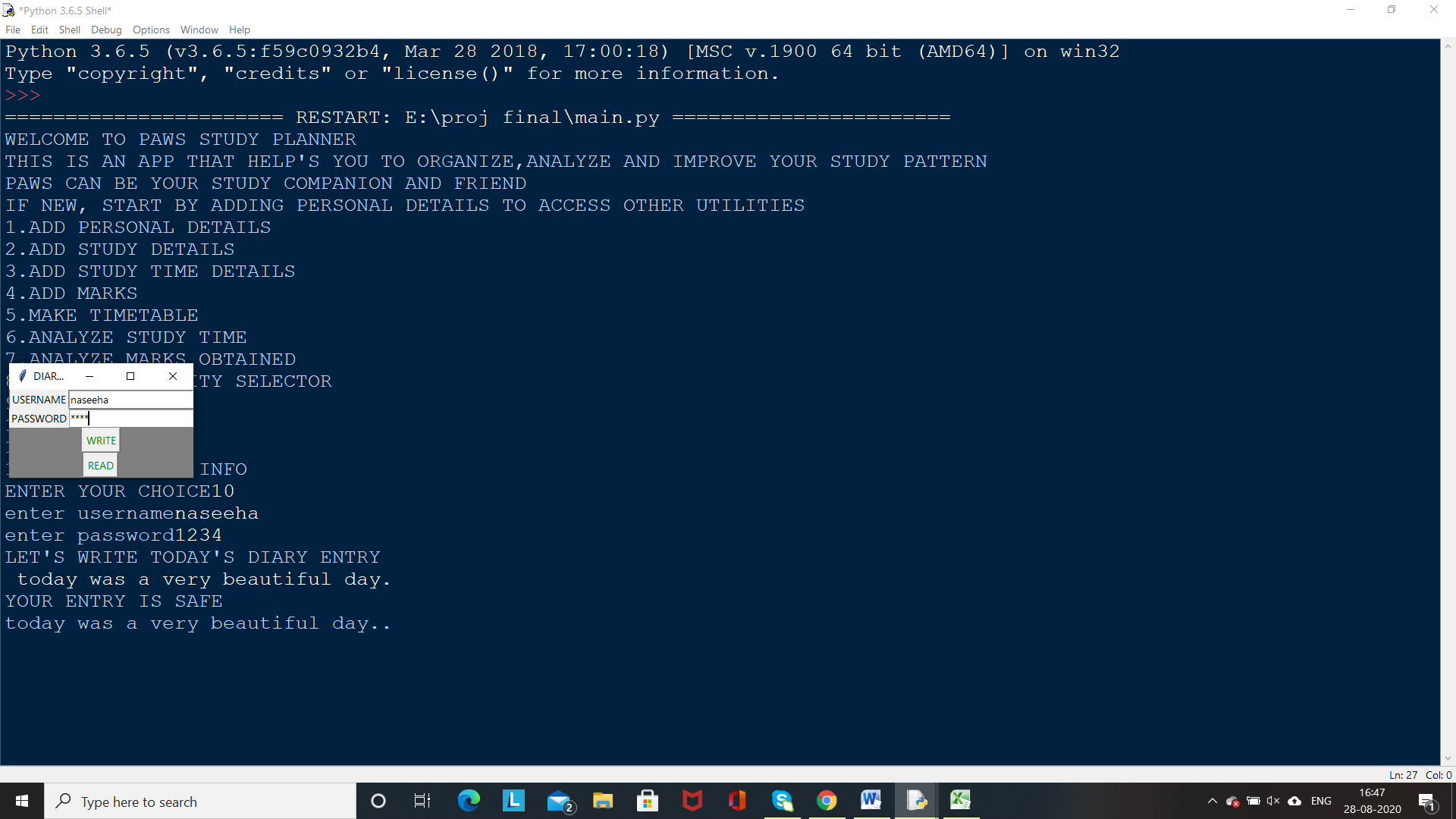
10.timer function

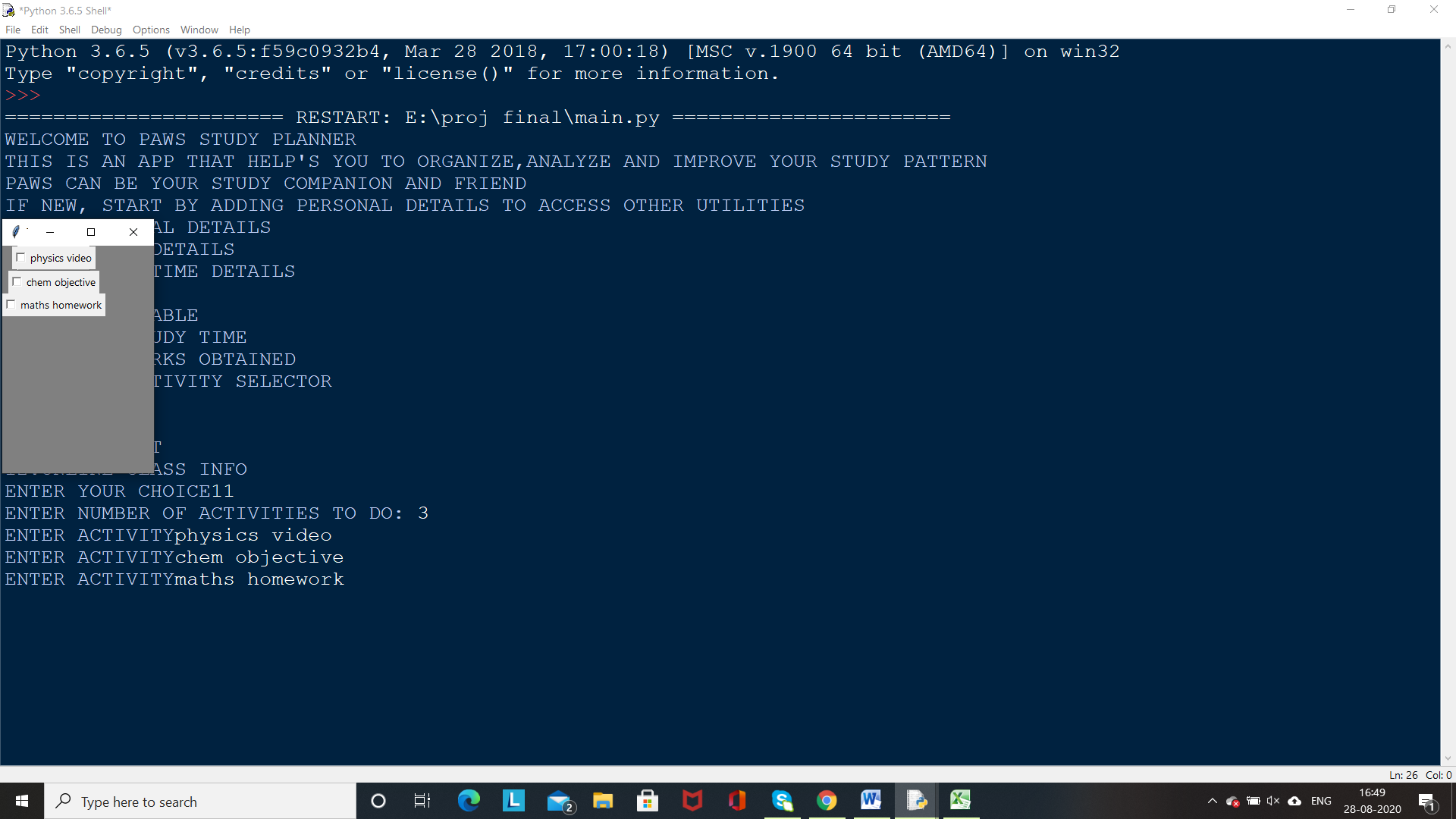


11.diary function

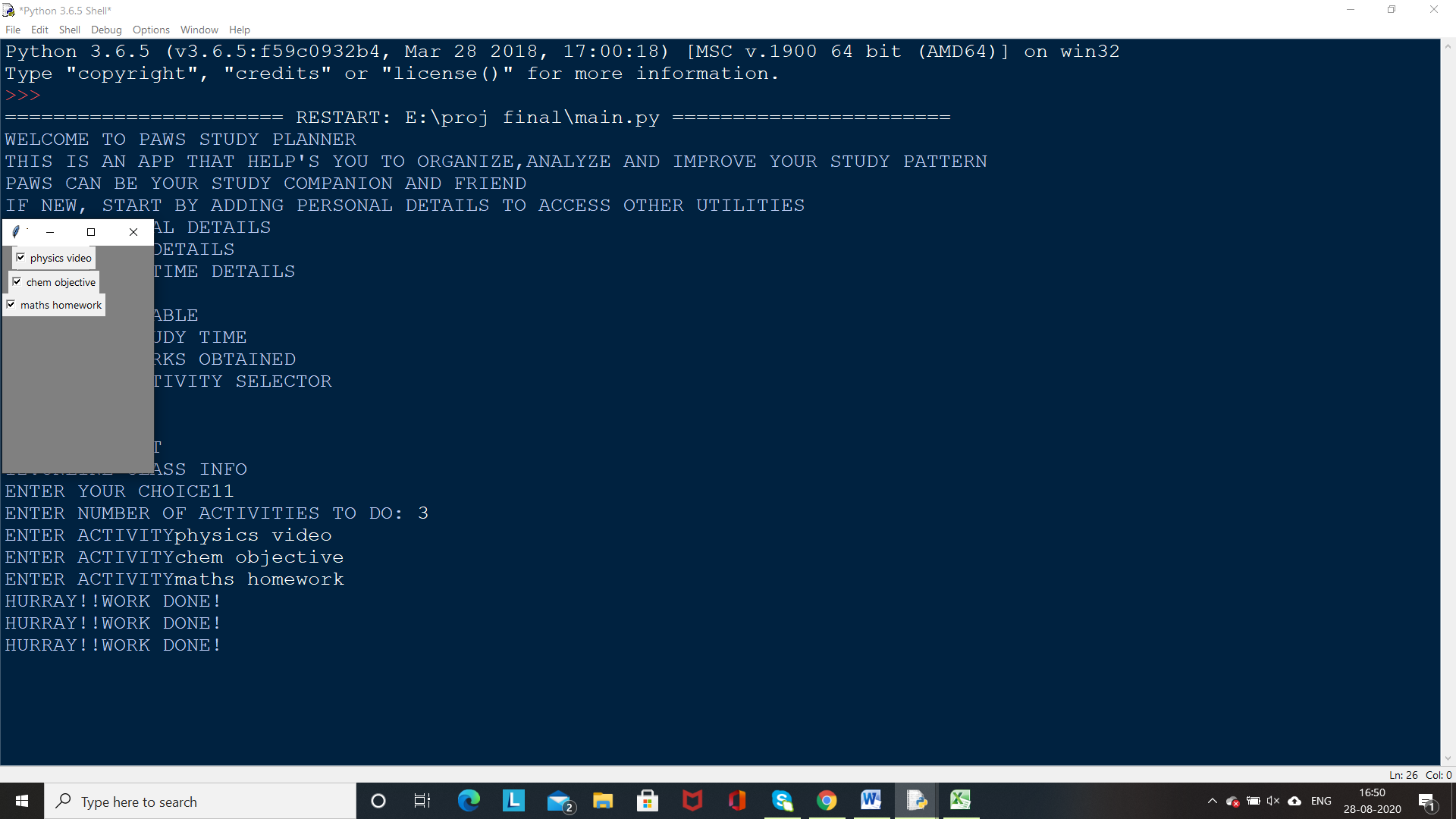


After clicking read





After checking boxes



13.choice12