ST. KAREN’S SECONDARY SCHOOL

KHAGAUL ROAD, PATNA



**COMPUTER PROJECT WORK**

**Topic- Password Manager**

**SESSION: 2021-2022**

**NAME: - Abhinav Rajpati**

**CLASS: - xii ‘E’**

**BOARD ROLL NO.: - ……….......**

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**INTRODUCTION**

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built-in data structures, combined with dynamic typing and dynamic binding. Python's simple, easy to learn syntax emphasizes readability.

The programming language Python was conceived in the late 1980s, and its implementation was started in December 1989 by Guido van Rossum at CWI in the Netherlands as a successor to ABC programming language. Python is written in C language basically.

Python give vide variety of applications opportunities like Web and Internet Development, Database Access, Desktop GUIs, Scientific & Numeric, Education, Network Programming, Software & Game Development. It also provides job opportunities in his own website [python.org](http://www.python.org).

My Project work is software, Password Manager i.e., LOCKWORD. It stores password with special and unique encryption which ensures total security. Here, encryption is made up of various symbol and traditional languages.

**CERTIFICATE**

**This is certify that Abhinav Rajpati, a student of class XII ‘E’, roll no: …………… of the institution St. Karen’s Secondary School has satisfactorily completed the Computer Project Work, during the academic year 2021-2022.**

**Internal Signature Date: ……......**

**School Stamp External’s Signature**

**ACKNOWLEDGEMENT**

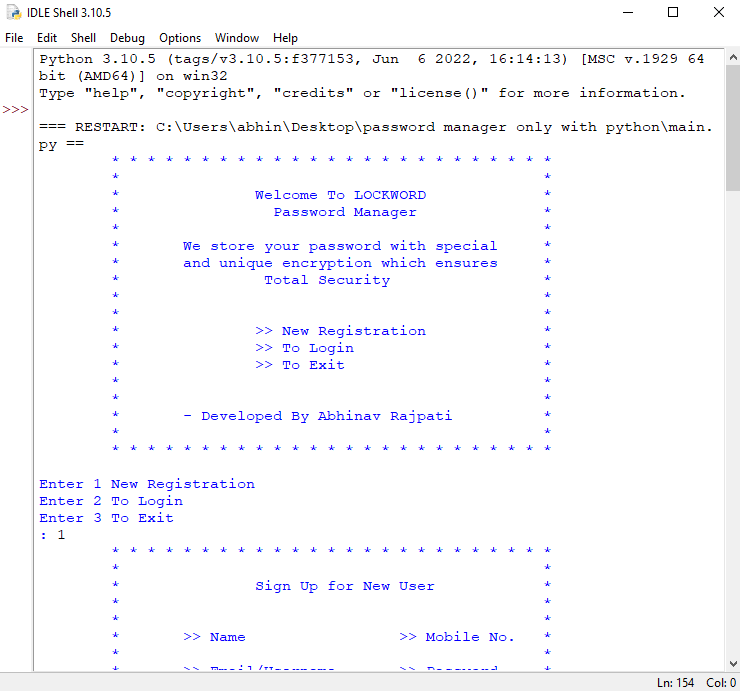
In the accomplishment of this project successfully, many people have best owned upon me their blessings and the heart pledged support, this time I am utilizing to thank all the people who have been concerned with this project.

Primarily I would thank god for being able to complete this project with success. Then I would like to thank my computer teacher Mrs. Sonam Sandiyal Ma’am whose valuable guidance helped me to patch this project and make it full proof success. Her suggestions and instructions have served as the major contributor towards the completion of the project.

Then I would like to thank my parents and sister who had helped me with their valuable suggestions and support in various phases of the completion of the project.

At last, I would like to thank my friend who had helped me a lot with innovative ideas.

***Thank You……..!***

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**CODING AND OUTPUT**

**Main.py**

# Password Manager

## MAIN PROGRAM ##

from lockmodule import \*

fstpage()

go = True

while go:

try:

option = int(input("Enter 1 New Registration\nEnter 2 To Login\nEnter 3 To Exit\n: "))

if option == 1:

sndpage()

adduser()

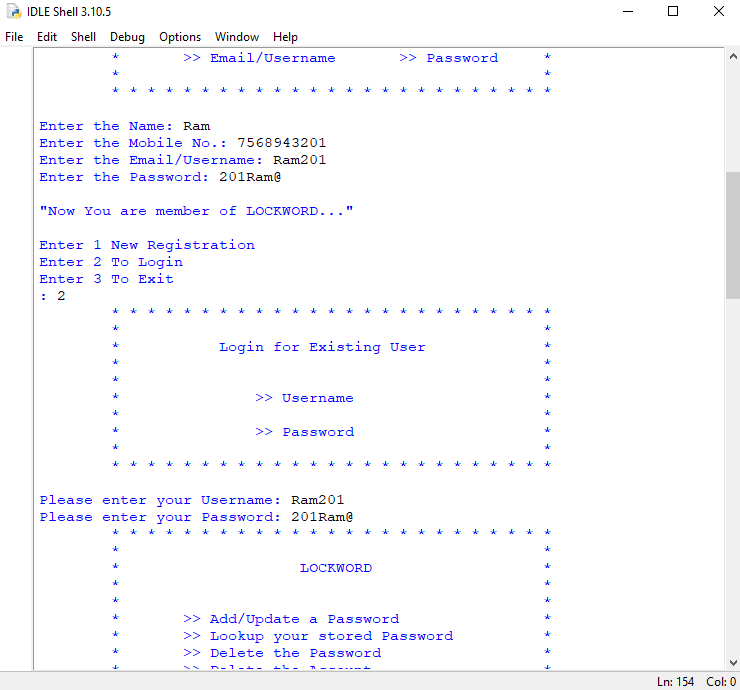
print("""\n"Now You are member of LOCKWORD..."\n""")

elif option == 2:

trdpage()

username = input("Please enter your Username: ")

password = input("Please enter your Password: ")



login(username, password)

go=False

elif option == 3:

go = False

elif option >=3:

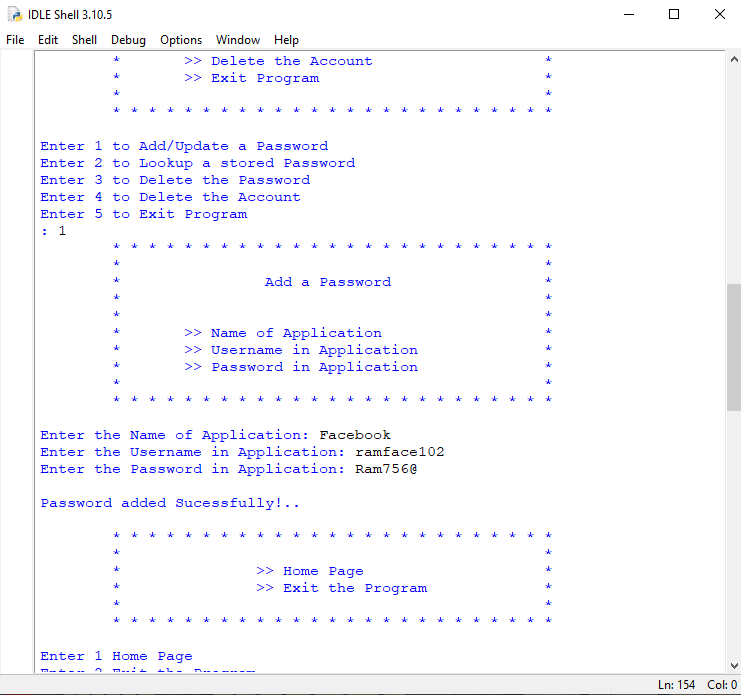
print("Error... please try again.\n")

except:

print("Error... please try again.\n")

## END MAIN PROGRAM ##

***.…….***



**lockmodule.py**

import csv

import pickle

def upborder():

print("\t",end="")

for a in range(25):

print("\*",end=" ")

print()

return

def downborder():

print("\t",end="")

for b in range(25):

print("\*",end=" ")

print('\n')

return

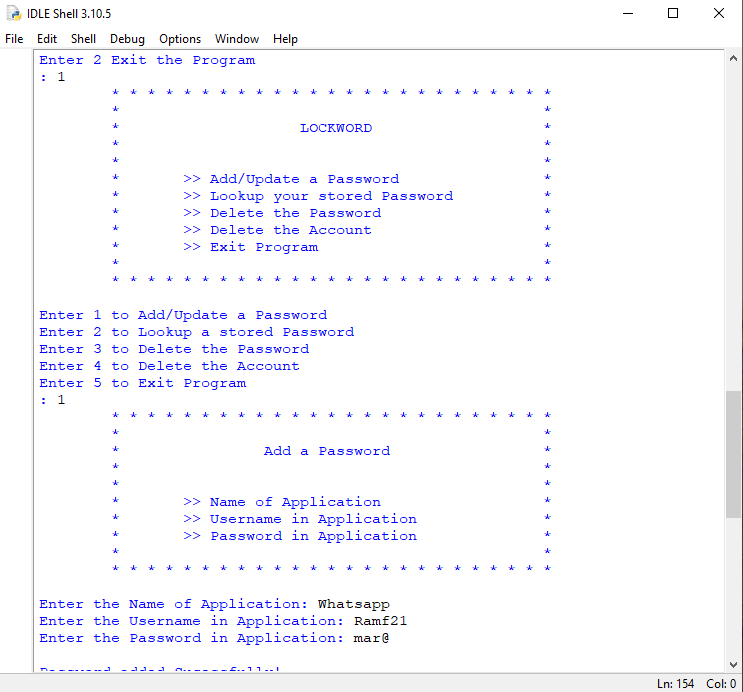
def lrborder(n=1):

for c in range(n):

print("\t\*\t\t\t\t\t\t\*")

return

def space(m=1):



for d in range(m):

s="\t\*"

return s

def fstpage():

upborder()

lrborder()

print(space(),"\t\tWelcome To LOCKWORD\t",space())

print(space(),"\t\t Password Manager\t",space())

lrborder()

print(space(),"\tWe store your password with special",space())

print(space(),"\tand unique encryption which ensures",space())

print(space(),"\t\t Total Security\t\t",space())

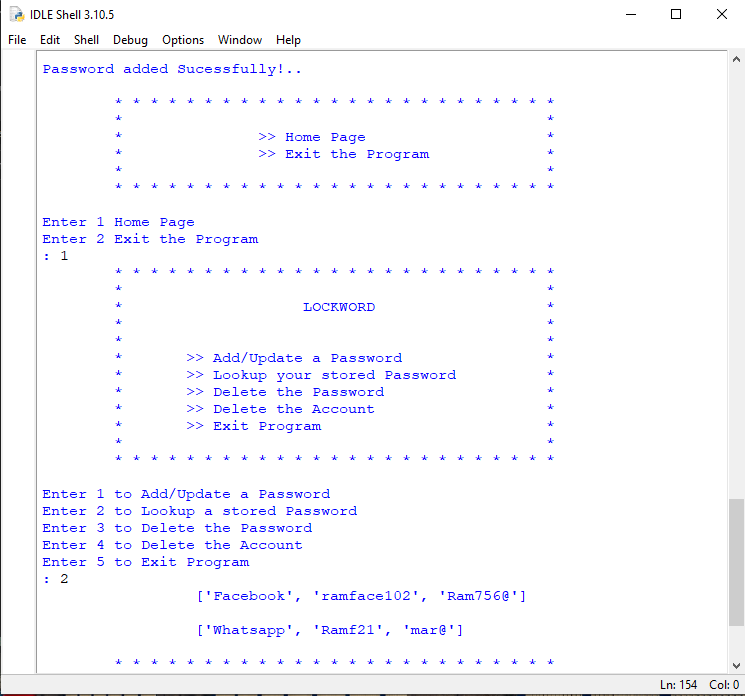
lrborder(2)

print(space(),"\t\t>> New Registration\t",space())

print(space(),"\t\t>> To Login\t\t",space())

print(space(),"\t\t>> To Exit\t\t",space())

lrborder(2)



print(space(),"\t- Developed By Abhinav Rajpati\t",space())

lrborder()

downborder()

def sndpage():

upborder()

lrborder(1)

print(space(),"\t\tSign Up for New User\t",space())

lrborder(2)

print(space(),"\t>> Name\t\t\t>> Mobile No.",space())

lrborder()

print(space(),"\t>> Email/Username\t>> Password",space())

lrborder(1)

downborder()

def trdpage():

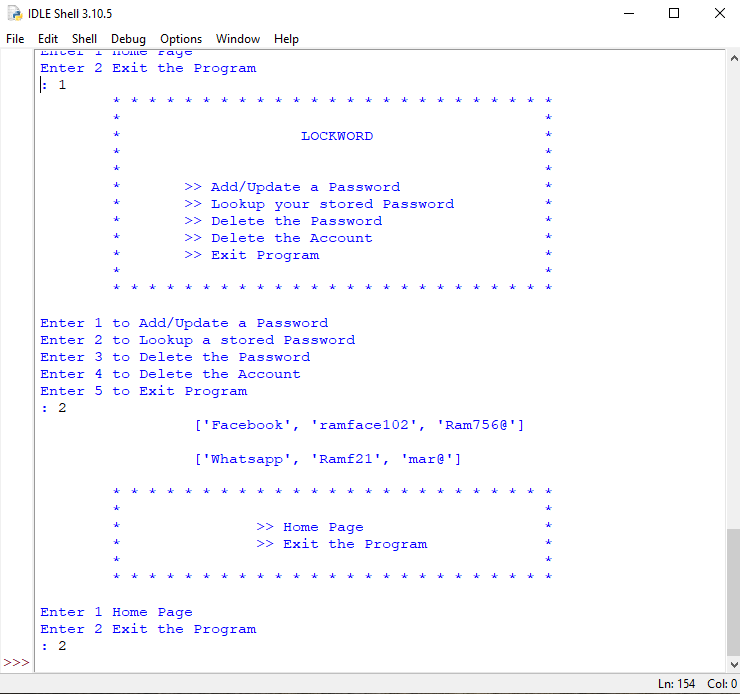
upborder()

lrborder(1)

print(space(),"\t Login for Existing User\t",space())

lrborder(2)

print(space(),"\t\t>> Username\t\t",space())



lrborder()

print(space(),"\t\t>> Password\t\t",space())

lrborder(1)

downborder()

def fothpage():

upborder()

lrborder()

print(space(),"\t\t LOCKWORD\t\t",space())

lrborder(2)

print(space(),"\t>> Add/Update a Password\t",space())

print(space(),"\t>> Lookup your stored Password\t",space())

print(space(),"\t>> Delete the Password\t\t",space())

print(space(),"\t>> Delete the Account\t\t",space())

print(space(),"\t>> Exit Program\t\t\t",space())

lrborder()

downborder()

def fifthpage():

upborder()

lrborder()

print(space(),"\t\t Add a Password\t\t",space())

lrborder(2)

print(space(),"\t>> Name of Application\t\t",space())

print(space(),"\t>> Username in Application\t",space())

print(space(),"\t>> Password in Application\t",space())

lrborder()

downborder()

def sixpage():

upborder()

lrborder()

print(space(),"\t\t>> Home Page\t\t",space())

print(space(),"\t\t>> Exit the Program\t",space())

lrborder()

downborder()

def secure():

s=(('a','一种16'),("b","乙100"),("c","सी17"), ("d","डी211"), ("e","电子19"),("f","एफ333"),("g","जी366"), ("h","एच636"),('i',"一世367"),("j","जे789"),("k","克123"),("l","升719"),("m","米911"),("n","एन46"), ("o","Ø55"),("p","磷51"),("q","क्यू101"),("r","आर742"),('s',"秒943"),("t","吨102"),("u","你317"),("v","वी109"),("w","瓦444"),("x","एक्स577"),("y","是210"),("z","जेड420"), ("?","M22Z"),(".","N44A"),("@","V33B"),("#","U472C"),("&","X109O"),("-","O000I"),("\_","W779K"), ("!","Q020M"),(">","S809G"),("<","T127H"),("+","X202F"), (";","Z021E"),("\*","K120D"),("$","J875P"),('A','一种6'),("B","乙8"),("C","सी2"),("D","डी1"),("E","电子7"),("F","एफ0"),("G","जी21"),("H","एच63"),('I',"一世33"),("J","जे122"),("K","克41"),("L","升32"),("M","米69"),("N","एन82"),("O","Ø99"),("P","磷00"),("Q","क्यू11"), ("R","आर3"),('S',"秒77"),("T","吨20"),("U","你352"), ("V","वी87"),("W","瓦38"),("X","एक्स29"),("Y","是90"),("Z","जेड60"),(" ","!00!"))

return s

def adduser():

name=input("Enter the Name: ")

mobileno=input("Enter the Mobile No.: ")

email\_username=input("Enter the Email/Username: ")

password=input("Enter the Password: ")

n=name

m=mobileno

eu=email\_username

p=password

l=secure()

for z,q in l:

n=n.replace(z,q)

m=m.replace(z,q)

eu=eu.replace(z,q)

p=p.replace(z,q)

c=[n,m,eu,p]

b=[name,mobileno,email\_username,password]

f=open("uer"+email\_username+".dat","ab")

pickle.dump(c,f)

f.close()

g=open("newuser.csv","a",newline="")

a=csv.writer(g)

a.writerow(b)

g.close()

def addpassword():

name\_of\_application=input("Enter the Name of Application: ")

username\_in\_application=input("Enter the Username in Application: ")

password\_in\_application=input("Enter the Password in Application: ")

l=secure()

for m,n in l:

name\_of\_application=name\_of\_application.replace(m,n)

username\_in\_application=username\_in\_application.replace(m,n)

password\_in\_application=password\_in\_application.replace(m,n)

a=(name\_of\_application,username\_in\_application,password\_in\_application)

f=open("uer"+u+".dat","ab")

pickle.dump(a,f)

f.close()

print("\nPassword added Sucessfully!..\n")

def login(username,password):

global u

u=username

f=open("newuser.csv","r")

emp=csv.reader(f)

w=0

v=0

for i in emp:

w+=1

if [i[2],i[3]] == [u,password]:

g=True

if [i[2],i[3]] != [u,password]:

v=v+1

if v==w:

print("\nCredentials not found!..")

f.close()

while g:

fothpage()

opt=int(input("""Enter 1 to Add/Update a Password\nEnter 2 to Lookup a stored Password\nEnter 3 to Delete the Password\nEnter 4 to Delete the Account\nEnter 5 to Exit Program\n: """))

if opt == 1:

fifthpage()

addpassword()

sixpage()

choice=int(input("Enter 1 Home Page\nEnter 2 Exit the Program\n: "))

if choice ==2 or choice>2:

break

elif opt == 2:

f=open("uer"+u+".dat","rb")

ls=secure()

k=pickle.load(f)

try:

while True:

o=[]

l=pickle.load(f)

for p in l:

k=p

for a,b in ls:

k=k.replace(b,a)

o.append(k)

print("\t\t",o,"\n")

except EOFError:

g=True

f.close()

sixpage()

choice=int(input("Enter 1 Home Page\nEnter 2 Exit the Program\n: "))

if choice ==2 or choice>2:

break

elif opt == 3:

print("\n\t COMING SOON...!\n")

elif opt == 4:

print("\n\t COMING SOON...!\n")

elif opt == 5:

break

else:

go=False

***……***

**CONCLUSION**

I have made this project of software, Password Manager using various function, modules, loop, file handling and many more of PYTHON. After reading this project you will get to know about the how passwords are secured in other company. This software will serve you with relevant information regarding Password Manager.

Hope you have liked my idea and my small effort to create a software with minimal knowledge of python.

***……***

**BIBLIOGRAPHY**

* To make this project I have taken source from the following books:-

1. Computer Science with Python: Sumita Arora
2. NCERT Computer Text Book 12

* I have taken source from internet too, Following links have been used in the completion of the project:-

1. www.wikipedia.org
2. www.python.org

* I also taken help from my parents and my sister.

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