ST. KAREN'S SECONDARY SCHOOL
KHAGAUL ROAD, PATNA

COMPUTER PROJECT WORK

TOPIC- PASSWORD MANAGER

SESSION: 2021-2022

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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.

The programming language Python was conceived in the late 1980s, by Guido Van Rossum as a successor to ABC programming language. Python give vide variety of applications opportunities like Web and Internet Development, Database Access, Desktop GUIs, Scientific & Numeric etc.

MySQL is an open-source relational database management system. Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. A relational database organizes data into one or more data tables in which data types may be related to each other; these relations help structure the data.

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 'C', 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 Kumari 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.....!

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
import mysql.connector
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"),('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: ")
    b=(name,mobileno,email_username,password)

connect=mysql.connector.connect(host="localhost",u
ser="root",passwd="3344",database="lockword")
    cursor=connect.cursor()
    query1 = """create table
%s(Name_of_Application
varchar(100),Username_in_Application
varchar(100),Password_in_Application
varchar(100))"""%(email_username,)
    cursor.execute(query1)
    connect.close()
```

```
connect=mysql.connector.connect(host="localhost",u
ser="root",passwd="3344",database="lockword")
    cursor=connect.cursor()
    query3= """ INSERT INTO user (Name, Mobile,
username, password) VALUES (%s, %s, %s, %s)"""
    cursor.execute(query3, b)
    connect.commit()
    connect.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.re
place(m,n)

password_in_application=password_in_application.re
place(m,n)

a=(name_of_application,username_in_application,pas
sword_in_application)

connect=mysql.connector.connect(host="localhost",u
ser="root",passwd="3344",database="lockword")
    cursor=connect.cursor()
    query0="insert into "+u+" values(%s,%s,%s)"
    cursor.execute(query0,a)
    connect.commit()
    connect.close()
    print("\nPassword added Sucessfully!..\n")
```

```
def login(username,password):
    global u
    u=username

connect=mysql.connector.connect(host="localhost",u
ser="root",passwd="3344",database="lockword")
    cursor=connect.cursor()
    query1='''Select * from user'''
    cursor.execute(query1)
    result = cursor.fetchall()
    connect.close()
    '''f=open("newuser.csv","r")
    emp=csv.reader(f)'''
    w=0
    v=0
    for i in result:
        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
Enter 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:
```

```
            connect=mysql.connector.con-
nect(host="lo-
calhost",user="root",passwd="3344",database="lock-
word")
            cursor=connect.cursor()
            query7="""select * from %s"""%(u,)
            cursor.execute(query7)
            ls=secure()
            try:
                while True:
                    o=[]
                    l=cursor.fetchone()
                    if l==None:
                        break
                    #l=pickle.load(f)
                    for p in l:
                        k=str(p)
                        for a,b in ls:
                            k=k.replace(b,a)
                        o.append(k)
                    print("\t\t",o,"\n")
                else:
                    break
            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 and MySQL. 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 and MySQL.

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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
3. www.mysqltutorial.org

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

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