**ATM MECHINE CONCEPT**

**PROGRAM NAME:** user\_dt , data\_user

**data\_user:**

import user\_dt

# importing from folder

import smtplib

# importing a mail sending file

# function to work program

def choice():

    print("1. current balance")

    print("2. debit amount")

    print("3. credit amount")

    choose=int(input("enter your catagiery:"))

    if choose==1:

        current\_dt()

    elif choose==2:

        debit\_balance()

    elif choose==3:

        credit\_balance()

    else:

        print("enter right choice")

def current\_dt():

# viewing a current account detail

    d=input("Enter column name(id)only:")  #getting column name to idenfy a column

    e = input(f"Enter value in your {d}: ")

    query = f"SELECT \* FROM user\_table WHERE {d} = %s"      #used to perform the datas in data set

    user\_dt.mycursor.execute(query, (e,))           #used to execute particular function

    data = user\_dt.mycursor.fetchall()          # fetchall is used to take every data from a data set

    pin=input("enter your pin no")

    for row in data: #used to get the pin number

        if pin==row[3]:   #using if condition to check the pin number

            print(f"your pin num is {row[3]}")

            user\_dt.mycursor.execute(query, (e,))

            data = user\_dt.mycursor.fetchall()

            for row in data:

                print(f"Your current balance is {row[5]}")

            # try block is check the code if any error accer except block will work

            try:

                for row in data: #used to get the mail

                    s=smtplib.SMTP('smtp.gmail.com',587)

                    s.starttls()

                    s.login("gardennature48@gmail.com","your\_password")

                    message=f"Your current balance is {row[5]}"

                    s.sendmail("gardennature48@gmail.com",row[5],message)

                    s.quit()

            except:

                    print(" please check your network to receve the mail ")

            value=input("you want to continew enter y--")

            if value=="y":

                choice()

            else:

                print("Thankyou for visiting")

        else:

            print("your pin number is wrong")

def debit\_balance():

    d=input("Enter column name(id)only:")  #getting column name to idenfy a column

    e = input(f"Enter value in your {d}: ")

    query = f"SELECT \* FROM user\_table WHERE {d} = %s"

    user\_dt.mycursor.execute(query, (e,))

    data = user\_dt.mycursor.fetchall()

    pin=input("enter your pin no:")

    for row in data:

        if pin==row[3]:    #using if condition to check the pin number

            print(f"pin is correct")

            query = f"SELECT \* FROM user\_table WHERE {d} = %s"

            user\_dt.mycursor.execute(query, (e,))

            data = user\_dt.mycursor.fetchall()

            for row in data:

                deposited = float(input("How much rupees deposited: "))         # amount that you depited

                balance = float(row[5]) - deposited

                print(f"Your current balance is {str(balance)}")

                a = f"UPDATE user\_table  SET amount = %s WHERE {d} = %s" # updating the amount in data set

                user\_dt.mycursor.execute(a, (balance, e,))

                user\_dt.mydb.commit()

                # try block is check the code if any error accer except block will work

                try:

                    for row in data: #used to get the mail

                        s=smtplib.SMTP('smtp.gmail.com',587)

                        s.starttls()

                        s.login("gardennature48@gmail.com","yjsiyvudwkbzuevv")

                        message=f"Your current balance is {str(balance)}"

                        s.sendmail("gardennature48@gmail.com",row[4],message)

                        s.quit()

                except:

                    print(" please check your network to receve the mail ")

                print(f"data saved successfully")

                value=input("you want to continew enter y--")

                if value=="y":

                    choice()

                else:

                    print("Thankyou for visiting")

        else:

            print("your pin number is wrong")

def credit\_balance():

    d=input("Enter column name(id)only:")      #getting column name to idenfy a column

    e = input(f"Enter value in your {d}: ")

    query = f"SELECT \* FROM user\_table WHERE {d} = %s"    #used to perform table execution

    user\_dt.mycursor.execute(query, (e,))

    data = user\_dt.mycursor.fetchall()

    pin=input("enter your pin no")

    for row in data:       #used to check pin number

        if pin==row[3]:       #using if condition to check the pin number

            print(f"pin is correct")

            query = f"SELECT \* FROM user\_table WHERE {d} = %s" #used to perform table execution

            user\_dt.mycursor.execute(query, (e,))

            data = user\_dt.mycursor.fetchall()

            for row in data:

                deposited = float(input("How much rupees credited: "))

                balance = float(row[5]) + deposited

                a = f"UPDATE user\_table  SET amount = %s WHERE {d} = %s"       # updating the amount in data set

                user\_dt.mycursor.execute(a, (balance, e,))

                user\_dt.mydb.commit()

            # try block is check the code if any error accer except block will work

                try:

                    for row in data:       #used to get the mail

                        s=smtplib.SMTP('smtp.gmail.com',587)

                        s.starttls()

                        s.login("gardennature48@gmail.com","yjsiyvudwkbzuevv")

                        message=f"Your current balance is {str(balance)}"

                        s.sendmail("gardennature48@gmail.com",row[4],message)

                        s.quit()

                except:

                    print(" please check your network to recive the mail")

                print(f"Your current balance is {str(balance)}")

                value=input("you want to continew enter y--")

                if value=="y":

                    choice()

                else:

                    print("Thankyou for visiting")

        else:

            print("your pin number is wrong")

choice()

**user\_dt**

print("\*\*\*\*\*\*\*\*\*welcome to ATM\*\*\*\*\*\*\*\*\*")

# Time and Date Condition

import datetime

y=datetime.datetime.now()

day=y.strftime("%A")

date=y.strftime("%d")

month=y.strftime("%b")

year=y.strftime("%Y")

hour=y.strftime("%H")

minit=y.strftime("%M")

sec=y.strftime("%S")

print(f"{day}--{date}/{month}/{year},{hour}:{minit}:{sec}")

# import mysql.connector used to connect python and my sql

import mysql.connector

# mydb is my database variable

mydb=mysql.connector.connect(

    host = "localhost",

    user = "root",

    password = "12345",

    database="atm\_db"

)

mycursor=mydb.cursor()

# Create  data

def add\_dt():

    a="insert into user\_table(id,user\_name,account\_number,account\_pin,email,amount) values (%s,%s,%s,%s,%s,%s)"

    id=int(input("enter your id :--"))

    user\_name=input("enter account user name:--")

    account\_number=input("enter your account no (number minimum 5) :--")

    account\_pin=input("enter your pin number:--")

    email=input("enter your mail id:--")

    amount=input("enter your amount:")

    data=(id,user\_name,account\_number,account\_pin,email,amount)

    mycursor.execute(a,data)

    mydb.commit()

    print(f"haii {user\_name} your account no {account\_number} are verified successfully")

    value=input("you neat to continew with  account create or view -- enter y--")

    if value=="y":

        main\_function()

    else:

        print("your choice of work")

# view data

def view\_dt():

    d=input("Enter column name(id)only :") #getting column name to idenfy a column

    e = input(f"Enter value in your {d}: ")

    query = f"SELECT \* FROM user\_table WHERE {d} = %s"

    mycursor.execute(query, (e,))

    data = mycursor.fetchall()

    for row in data:

        print(f"Your account details is {data}")

        print("your choice of work")

        value=input("you neat to continew with  account create or view -- enter y--")

        if value=="y":

            main\_function()

        else:

            print("your choice of work")

# Delete\_data

def delete\_dt():

    d=input("Enter column name(id)only :")   #getting column name to idenfy a column

    e = input(f"Enter value in your {d}: ")

    query=f"delete from user\_table where {d}=%s"

    mycursor.execute(query,(e,))

    mydb.commit()

    print("success fully deleted")

    value=input("you neat to continew with  account create or view -- enter y--")

    if value=="y":

        main\_function()

    else:

        print("your choice of work")

# main function to continew the account

def main\_function():

    print("If You Nead To Create a Account Enter 1---")

    print("If You Nead To View a Account Enter 2---")

    print("If You Nead To Delete a Account Enter 3---")

    user=int(input("enter your choice:--"))

# if try is not worked in condition or contains a error it shows a except concept

    try:

        if user==1:

            add\_dt()

        elif user==2:

            view\_dt()

        elif user==3:

            delete\_dt()

        else:

            print("invalid number")

    except:

        print("invalid number please print correct value")

main\_function()

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