**SOURCE CODE**

**TABLE.PY**

**import mysql.connector as sql**

**conn=sql.connect(host='localhost',user='root',passwd='root’,database='bank')**

**ifconn.is\_connected():**

**print('connected succesfully')**

**cur = conn.cursor()**

**cur.execute('create table customer\_details(acct\_noint primary key,acct\_namevarchar(25) ,phone\_nobigint(25) check(phone\_no>11),address varchar(25),cr\_amt float )')**

**MENU.PY**

**import datetime as dt**

**import mysql.connector as sql**

**conn=sql.connect(host='localhost',user='root',passwd='root',database='bank')**

**cur = conn.cursor()**

**conn.autocommit = True**

**c = 'n'**

**while c == 'n':**

**print()**

**print('1.CREATE BANK ACCOUNT')**

**print()**

**print('2.TRANSACTION')**

**print()**

**print('3.CUSTOMER DETAILS')**

**print()**

**print('4.TRANSACTION DETAILS')**

**print()**

**print('5.DELETE ACCOUNT')**

**print()**

**print('6.QUIT')**

**print()**

**n=int(input('Enter your CHOICE='))**

**print()**

**if n == 1:**

**acc\_no=int(input('Enter your ACCOUNT NUMBER='))**

**print()**

**acc\_name=input('Enter your ACCOUNT NAME=')**

**print()**

**ph\_no=int(input('Enter your PHONE NUMBER='))**

**print()**

**add=(input('Enter your place='))**

**print()**

**cr\_amt=int(input('Enter your credit amount='))**

**V\_SQLInsert="INSERT INTO customer\_details values (" + str (acc\_no) + ",' " + acc\_name + " ',"+str(ph\_no) + ",' " +add + " ',"+ str (cr\_amt) + " ) "**

**cur.execute(V\_SQLInsert)**

**print()**

**print('Account Created Succesfully!!!!!')**

**conn.commit()**

**if n == 2:**

**acct\_no=int(input('Enter Your Account Number='))**

**cur.execute('select \* from customer\_details where acct\_no='+str (acct\_no) )**

**data=cur.fetchall()**

**count=cur.rowcount**

**conn.commit()**

**if count == 0:**

**print()**

**print('Account Number Invalid Sorry Try Again Later')**

**print()**

**else:**

**print()**

**print('1.WITHDRAW AMOUNT')**

**print()**

**print('2.ADD AMOUNT')**

**print()**

**print()**

**x=int(input('Enter your CHOICE='))**

**print()**

**if x == 1:**

**amt=int(input('Enter withdrawl amount='))**

**cr\_amt=0**

**cur.execute('update customer\_details set cr\_amt=cr\_amt-'+str(amt) + ' where acct\_no=' +str(acct\_no) )**

**V\_SQLInsert="INSERT INTO transactions values ({} , '{}' , {} , {}) ".format(acct\_no,dt.datetime.today(),amt,cr\_amt)**

**cur.execute( V\_SQLInsert)**

**conn.commit()**

**print()**

**print('Account Updated Succesfully!!!!!')**

**if x == 2:**

**amt=int(input('Enter amount to be added='))**

**cr\_amt=0**

**cur.execute('update customer\_details set cr\_amt=cr\_amt+'+str(amt) + ' where acct\_no=' +str(acct\_no) )**

**V\_SQLInsert="INSERT INTO transactions values ({} , '{}' , {} , {}) ".format(acct\_no,dt.datetime.today(),cr\_amt,amt)**

**cur.execute( V\_SQLInsert)**

**conn.commit()**

**print()**

**print('Account Updated Succesfully!!!!!')**

**if n == 3:**

**acct\_no=int(input('Enter your account number='))**

**print()**

**cur.execute('select \* from customer\_details where acct\_no='+str(acct\_no) )**

**if cur.fetchone() is None:**

**print()**

**print('Invalid Account number')**

**else:**

**cur.execute('select \* from customer\_details where acct\_no='+str(acct\_no) )**

**data=cur.fetchall()**

**for row in data:**

**print('ACCOUNT NO=',acct\_no)**

**print()**

**print('ACCOUNT NAME=',row[1])**

**print()**

**print(' PHONE NUMBER=',row[2])**

**print()**

**print('ADDRESS=',row[3])**

**print()**

**print('cr\_amt=',row[4])**

**if n == 4:**

**acct\_no=int(input('Enter your account number='))**

**print()**

**cur.execute('select \* from customer\_details where acct\_no='+str(acct\_no) )**

**if cur.fetchone() is None:**

**print()**

**print('Invalid Account number')**

**else:**

**cur.execute('select \* from transactions where acct\_no='+str(acct\_no) )**

**data=cur.fetchall()**

**for row in data:**

**print('ACCOUNT NO=',acct\_no)**

**print()**

**print('DATE=',row[1])**

**print()**

**print(' WITHDRAWAL AMOUNT=',row[2])**

**print()**

**print('AMOUNT ADDED=',row[3])**

**print()**

**if n == 5:**

**print('DELETE YOUR ACCOUNT')**

**print()**

**acct\_no=int(input('Enter your account number='))**

**cur.execute('select \* from customer\_details where acct\_no='+str (acct\_no) )**

**data=cur.fetchall()**

**count=cur.rowcount**

**conn.commit()**

**if count == 0:**

**print()**

**print('Account Number Invalid Sorry Try Again Later')**

**print()**

**else:**

**cur.execute('delete from customer\_details where acct\_no='+str(acct\_no) )**

**cur.execute('delete from transactions where acct\_no='+str(acct\_no) )**

**print()**

**print('ACCOUNT DELETED SUCCESFULLY')**

**if n == 6:**

**print('DO YO WANT TO EXIT(y/n)')**

**c=input ('enter your choice=')**

**else:**

**print('THANK YOU PLEASE VISIT AGAIN')**

**quit()**

**MAIN.PY**

**import mysql.connector as sql**

**conn=sql.connect(host='localhost',user='root',passwd='root',database='bank')**

**cur = conn.cursor()**

**#cur.execute('create table user\_table(username varchar(25) primary key,passwrd varchar(25) not null )')**

**print('=========================WELCOME TO SMART BANK============================================================')**

**import datetime as dt**

**print(dt.datetime.now())**

**print('1.REGISTER')**

**print()**

**print('2.LOGIN')**

**print()**

**n=int(input('enter your choice='))**

**print()**

**if n == 1:**

**name=input('Enter a Username=')**

**print()**

**passwd=int(input('Enter a 4 DIGIT Password='))**

**print()**

**V\_SQLInsert="INSERT INTO user\_table (passwrd,username) values (" + str (passwd) + ",' " + name + " ') "**

**cur.execute(V\_SQLInsert)**

**conn.commit()**

**print()**

**print('USER created succesfully')**

**import menu**

**if n == 2 :**

**name=input('Enter your Username=')**

**print()**

**passwd=int(input('Enter your 4 DIGIT Password='))**

**V\_Sql\_Sel="select \* from user\_table where passwrd='"+str (passwd)+"' and username= ' " +name+ " ' "**

**cur.execute(V\_Sql\_Sel)**

**if cur.fetchone() is None:**

**print()**

**print('Invalid username or password')**

**else:**

**print()**

**import menu**