MANGALMAY INSTITUTE OF ENGINEERING AND TECHNOLOGY

Gr. Noida, Delhi NCR

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MINI PROJECT

**ATM - User Interface**

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Guided By-: Mr. Arun Kashyap Sir

DECLARATION

# We hereby declare that this submission is our own work and that, to the best of my knowledge and belief, it contains no material previously published or written by another person and nor material which to a substantial extent has been accepted for the award of any other degree and diploma of the University or any other institute of higher learning, except where due acknowledgement has been made in the text.

Suraj Kumar (Lateral Entry)

Md. Perwez Akhtar (2007861520010)

## Examined By:

**ACKNOWLEDGEMENT**

It is nearly impossible for a individual to complete a project work all alone. Help in some form or the other is needed to everyone. I am really fortunate to get support from my Guide and friends on SUMMARY OF ATM PROJECT.

**Problem Definition**

The system mainly used by the bank clients. When a client comes to ATM Centre to update and delete their account. It reduces the time consumption and lot of paperwork. For any single operation it involves numerous references and updating also takes subsequent changes in other places. There is a need for online ATM management that increases the opportunities, preparation time, and cost is more effective and efficient as compared to the traditional ATM system.

INTRODUCTION

Automated Teller Machine enables the clients of a bank to have access to their account without going to the bank. This is achieved only by development the application using online concepts. When the product is implemented, the user who uses this product will be able to see all the information and services provided by the ATM, when he enters the necessary option and arguments. The product also provides services like request for cheques, deposit cash and other advanced requirement of the user. The data is stored in the database and is retrieved whenever necessary. The implementation needs ATM machine hardware to operate or similar simulated conditions can also be used to successfully use the developed product.

OBJECTIVES

Our main objective is to speed up the transactions done by customers. No manual transactions needed generally. The second objective is to save the time which is very important now-a-days. It will include other objectives such as :

 To render accurate services to customer.

 The reduction of fraudulent activities.

 To achieve speedy processing of customer data.

 To reduce error processing, the guarantee of increase security.

HARDWARE REQUIREMENTS

* Hard Disk: 250 MB
* RAM: 200-400 MB
* Processor: Dual Core or Above
* Mouse
* Keyboard
* Monitor
* CPU
* And instead of these, We can use a Laptop.

Software Specification

* Operating system: Windows/ Linux/Mac OS
* Language: Python/MySQL(For Back-End)
* Database: MySQL and XAMPP

Use Modules/Packages in python

* Tkinter (For GUI Programming)
* MySQL-connector (For connection with database)
* PyMySQL (For connection with database)
* Datetime (For realtime Date and Time)

CONCLUSION

* Some of people feel that ATM machines are the best thing to happen in the banking world while other people consider them a curse. The main complaint heard about ATM machines is that while they are convenient, they are expensive to use. However, if we look at it from a banking perspective, business is business. Regardless of what we think of ATM machines, there is no doubt that they have changed the world and the way in which we do things. For example, think how many times we have been out somewhere only to discover we have no cash and we are out of checks, ah, but in the corner, there is an ATM machine. In the blink of an eye, we swipe the card and now have cash on hand. In addition to pulling money out, the ATM machine also makes it convenient to deposit money, transfer money, and check balances. Best of all, to use an ATM machine, we do not have to go to the bank.
* FUTURE SCOPE As discussed the limitation of this system, we can implement this as client/server system. So all the data will be stored in the single machine, and for any purpose all the data will be retrieved from this central database.

ABSTRACT

The proposed Python project is an engineering approach to enhance current banking activities. The software works as a controller of the ATM machine during transaction of money. The implementation of project is beneficial to both the banks and the customers.

The development of technology has carried drastic change in all sectors and one of them is bank. The present money transaction process completely differs from the older traditional method using checks and tokens. Nowadays, people prefer different cards such as VISA, MASTER CARD, AMERICAN EXPRESS, RUPAY etc. to withdraw money from bank. This is possible only though Automatic Teller Machine with a properly installed software.

The use of a software in ATM Machine creates ease and a comfort in money transaction. One can withdraw money at any place provided with an ATM Centre. It reduces the risk of losing money, and being stolen and cheated. The use of software helps in safe, reliable and secured banking.

After the implementation of project in bank, the numbers of daily customers visiting the bank for withdrawing money is effectively reduced. As a result of this, the working load in the bank is obviously reduced and the numbers of account staffs in bank office can be decreased. Thus, the Project carries an economical balance in financial activities of bank.

USE CASE DIAGRAM

DEPOSIT FUNDS

WITHDRAW CASH

CHECK BALANCE

CUSTOMER

MINI STATEMENT

UPDATE CONTACT

ADMIN

CHANGE PIN

ADMIN LOGIN

CREATE NEW ACCOUNT

CASE DIAGRAM OF DATABASE

DATABASE DESIGN

* 1. INTRODUCTION

This article will teach the basis of relational database design and explains how to make good database designs. It is a rather long text, but we advise to read all of it. Designing a database is in fact fairly easy, but there are a few rules to stick to. It is important to know what these rules are, but more importantly is to know why these rules exist, otherwise you will tend to make mistakes.

* 1. DATABASE FIELD SPECIFICATIONS

A small write up on the database, giving the fields, explaining each field etc. should be written

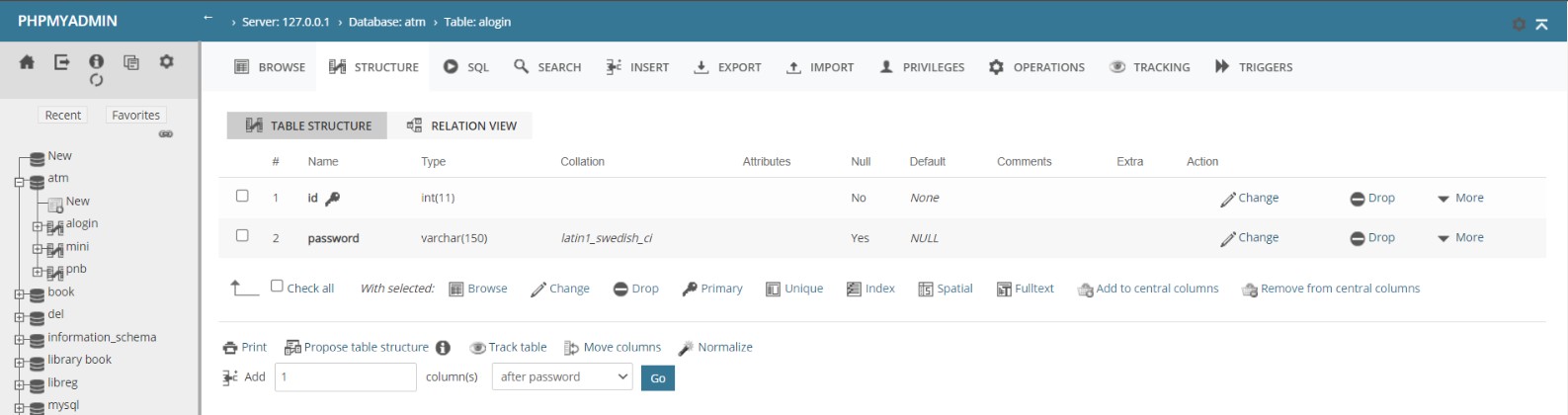
.This write up can be evaluated on the following points.

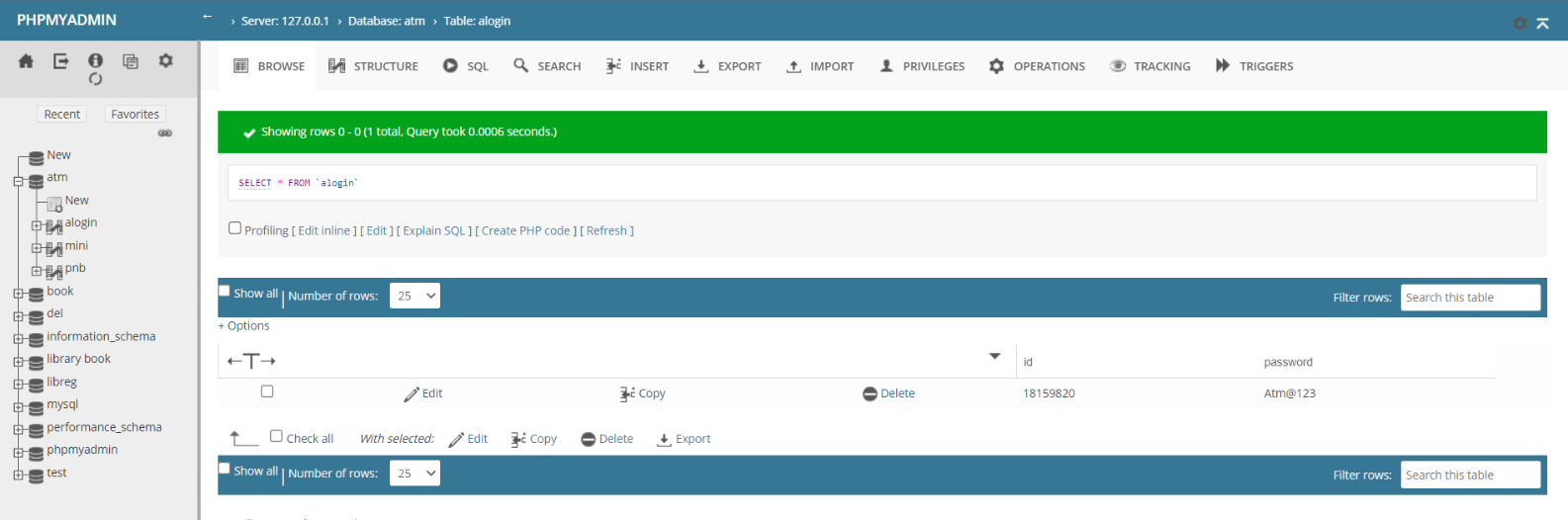
1. Clarity and conciseness of the database design .Like, whether key is defined, whether any redundant fields are there etc.
2. Whether data storage calculations are made, and if so, whether they are done properly etc.
3. Whether and data backup/ recovery mechanism is discussed or being thought of.

|  |  |
| --- | --- |
| TABLE NAME | DESCRIPTION |
| Admin Login | Contains the details such as id and password of the admin. |
| PNB Bank | Shows the customer account details of the bank. |
| Mini Statement | Displays all the statements of the account transactions. |

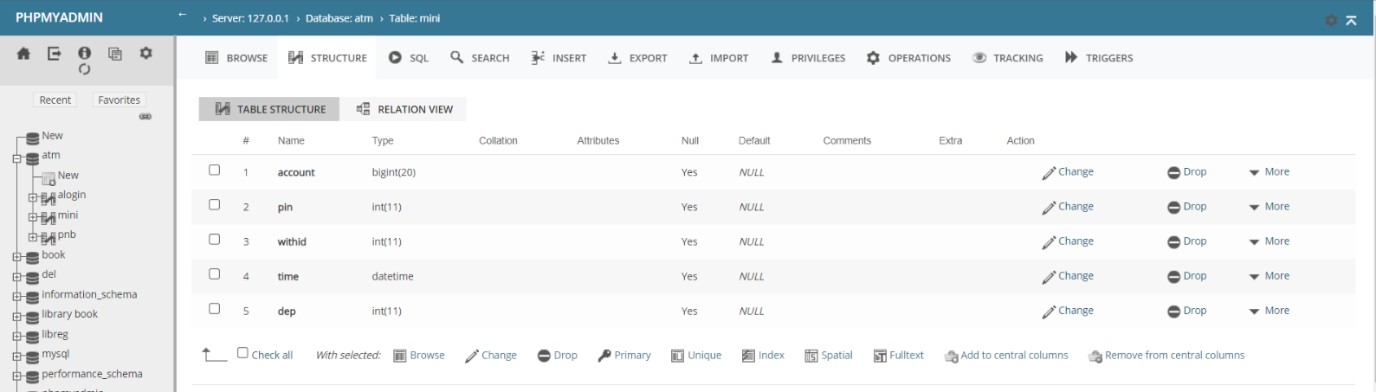
DATABASE TABLES

TABLE ADMIN LOGIN

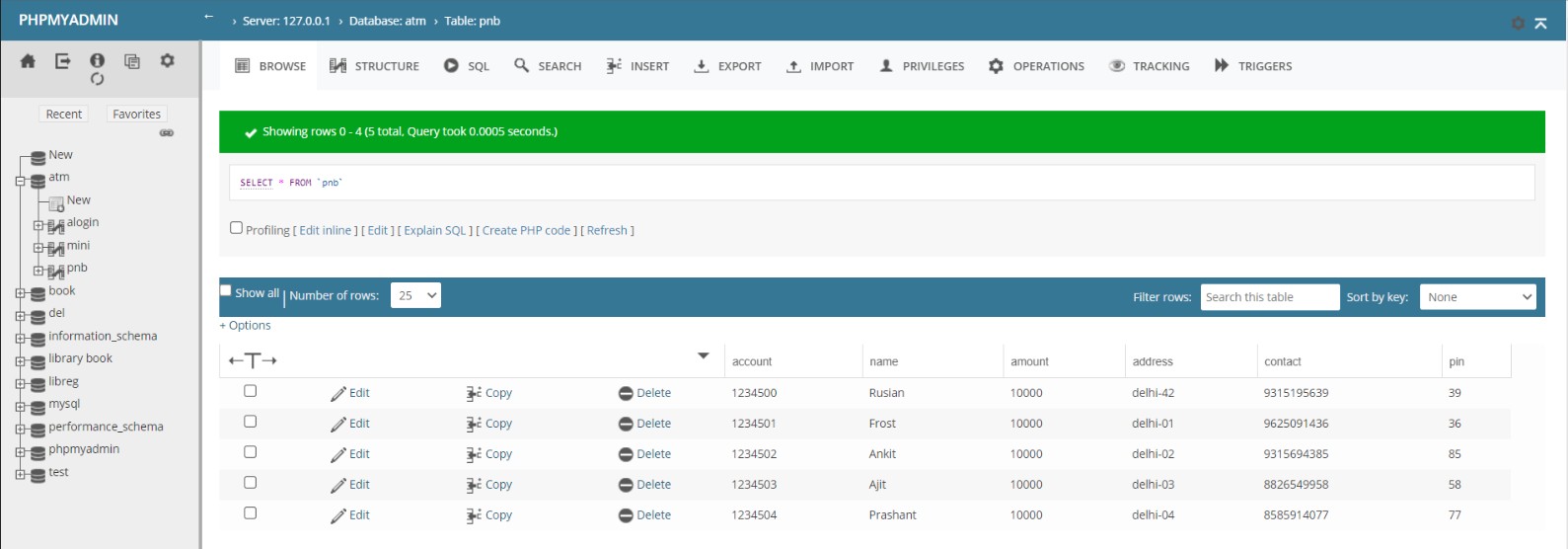


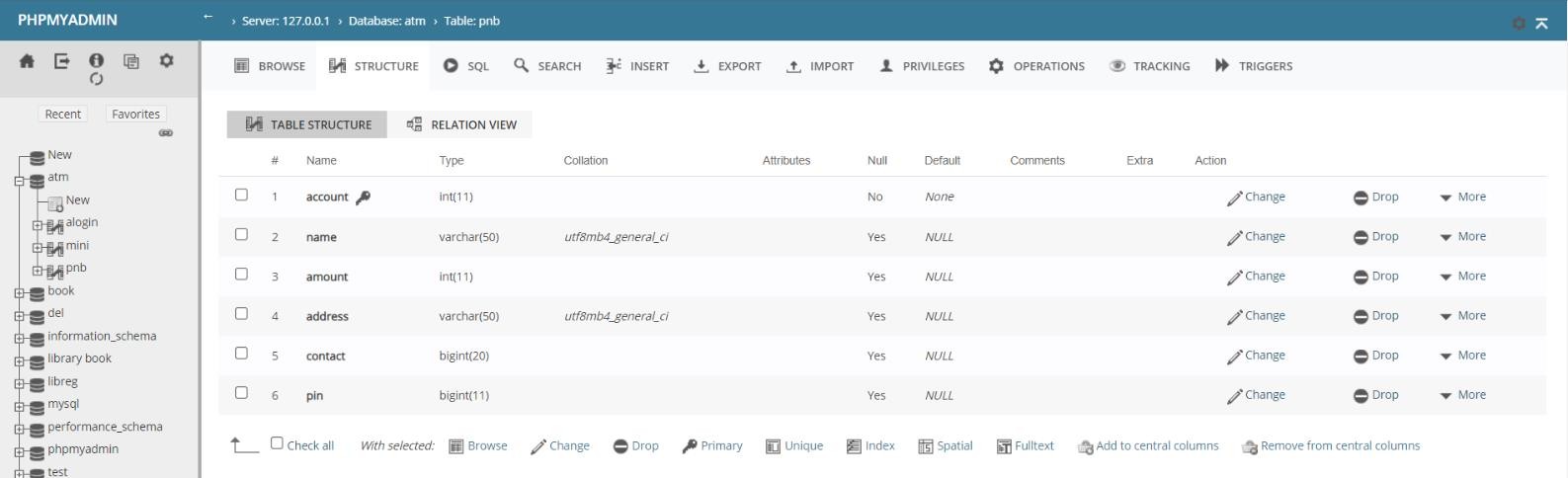


MINI STATEMENT



BANK DETAILS





TESTING

INTRODUCTION

Executing a project with the intent of finding errors is called testing. Testing is vital to the success of any system. Testing is done at different stages within the development phase .System testing makes a logical assumption that if all parts of the system are correct, the goals will be achieved successfully. Inadequate testing or no testing at all leads to errors that may come up after a long time when correction would be extremely implementation. The testing of the system was done on both artificial and live data. In order to test data that test cases are developed. Following are the various methods that are employed for testing:

TEST CASE 1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Details | Test Case for user/admin login | | | | | | |
| Prerequisites | 1. Admin must be registered with the system. | | | | | | |
| TEST ID  01  02  03 |  | DESCRIPTION | INPUT | EXPECTED OUTPUT | ACTUAL OUTPUT | RESULT |  |
| Admin enters the username and password and clicks on the login  button | UN- 18159820  Password- Atm@123 | Account creation for customers | Admin homepage | Pass |  |
| Admin enters either the wrong password and clicks on the login  button | UN-  Ashmeet Password: @@!! | User login not successful | Page Refreshes | Fail |  |
| User enters invalid username and clicks on the login button | UN-Not a registered user.  Password:  Zcbefgh | Page refreshes | homepage | fail |  |
|  | | | | | | |

TEST CASE 2

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| DETAILS | Test case for Deposit Cash | | | | |  |
| PREREQUISITES | Customer must enter the card no with Amount. | | | | |
| TEST ID  01  02  03 | DESCRIPTION | INPUT | EXPECTE D OUTPUT | ACTUAL OUTPUT | RESULT |  |
| Customer enters the account no and pin no and amount and clicks on the deposit. | Accou nt No.-  Pin No.- | Deposit Successf ully | Deposit Successful ly | Pass |  |
| Customer enters either the wrong account no or pin no and clicks on the deposit. | Card no- 1111  Pin no- 0000 | Not valid  Transact ion Failed | Not valid  Transactio n failed | Fail |  |
| Customer enters invalid account no and pin no and clicks on deposit. | Accoun t No.- Abcd  Pin no-  \*\*\*\* | Page refreshes | Not valid  Transactio n Falied | Fail |  |
|  | | | | |  |

TEST CASE 3

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DETAILS | Test cases for Withdraw cash | | | | | | |
| PREREQUISITES | Customer must enter the desired amount. | | | | | | |
| TEST ID  01  02  03 |  | DESCRIPTION | INPUT | EXPECTED OUTPUT | ACTUAL OUTPUT | RESULT |  |
| Customer enters the Account No, pin and amount and clicks on a withdrawal. | Account No.-  Pin No.- | Withdrawal successfully | Withdrawal successfully | Pass |  |
| Customer enters either the wrong account no or pin no and clicks on withdrawal. | Card no-  1111  Pin no- 222 | Not valid  Withdrawal Failed | Not valid  Withdrawal Failed | Fail |  |
| Customer enters invalid account no and pin no and clicks on withdrawal. | Card no  –  Ans Pin no-  \*\* | Page refreshes | Not valid  Withdrawal Failed | Fail |  |
|  | | | | | | |

TEST CASE 4

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Details | Test Case for mini Statement | | | | | | |
| Prerequisite s | User must enter the account number | | | | | | |
| 01  02  03 |  | DESCRIPTIO N | INPU T | EXPECTE D OUTPUT | ACTUA L OUTPU T | RESUL T |  |
| Customer enters the account no and clicks on the show button | Account No.- | Show mini Statement | Show mini Statement | Pass |  |
| Customer enters wrong account no and clicks on the show button. | Card no-  222222  2 | Not valid | Not valid | Fail |  |
| Customer enters invalid account no and clicks on the show button. | Card no- abcffdg | Page refreshes | Not valid | Fail |  |
|  | | | | | | |

CONCLUSION AND FUTURE SCOPE

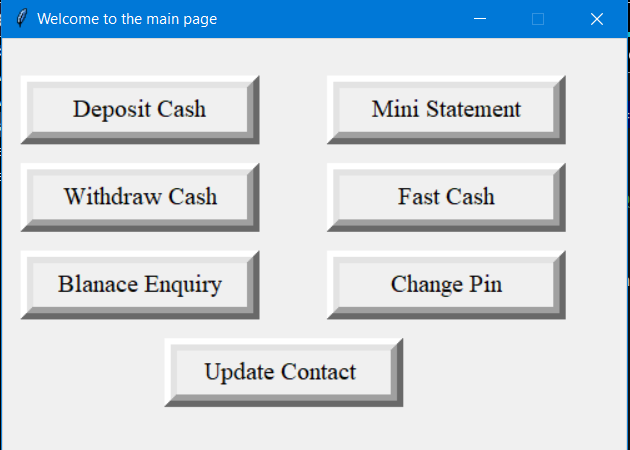
CONCLUSION

Back in 1969, Chemical Bank announced that a new form of banking was being launched. With that, customers were provided with plastic cards designed with a magnetic strip that could be used with a machine built into a wall. Gone were the days of having to stand in line for a teller or not having money on hand after normal banking hours. Almost everyone has heard of and used an ATM machine. Interestingly, some of people feel that ATM machines are the best thing to happen in the banking world while other people consider them a curse. The main complaint heard about ATM machines is that while they are convenient, they are expensive to use. However, if we look at it from a banking perspective, business is business. Regardless of what we think of ATM machines, there is no doubt that they have changed the world and the way in which we do things. For example, think how many times we have been out somewhere only to discover we have no cash and we are out of checks, ah, but in the corner, there is an ATM machine. In the blink of an eye, we swipe the card and now have cash on hand. In addition to pulling money out, the ATM machine also makes it convenient to deposit money, transfer money, and check balances. Best of all, to use an ATM machine, we do not have to go to the bank. We will find ATM machines at other banks, grocery stores, shopping malls, along the roadside, Buckingham Palace, airports, in casinos, and even on the South Rim of the Grand Canyon. For this reason, ATM machines are extremely helpful.

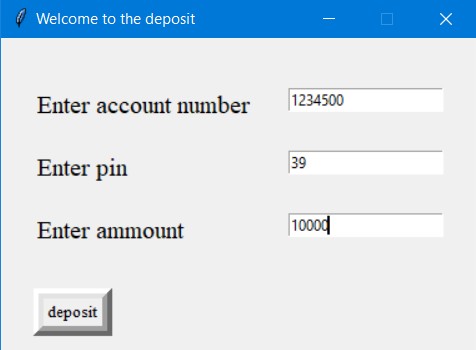
FUTURE SCOPE

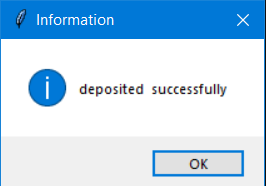
As discussed the limitation of this system, we can implement this as client/server system. So all the data will be stored in the single machine, and for any purpose all the data will be retrieved from this central database.

MAIN WINDOW

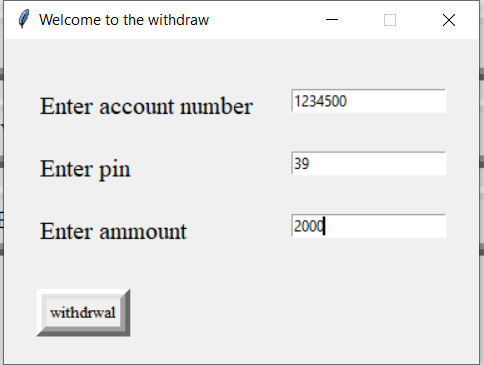


DEPOSITE SCREEN

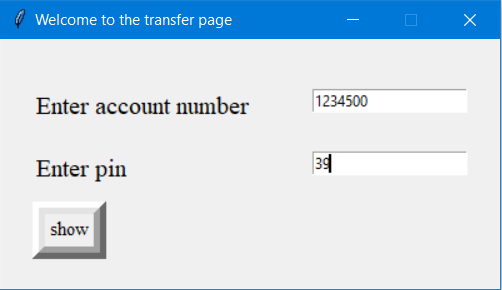


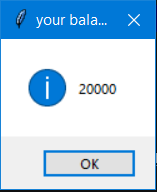


WITHDRAWAL SCREEN

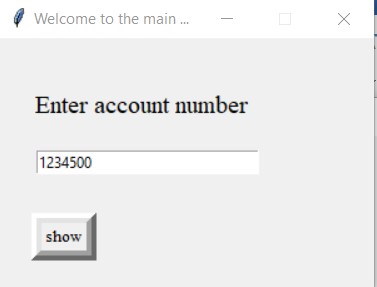


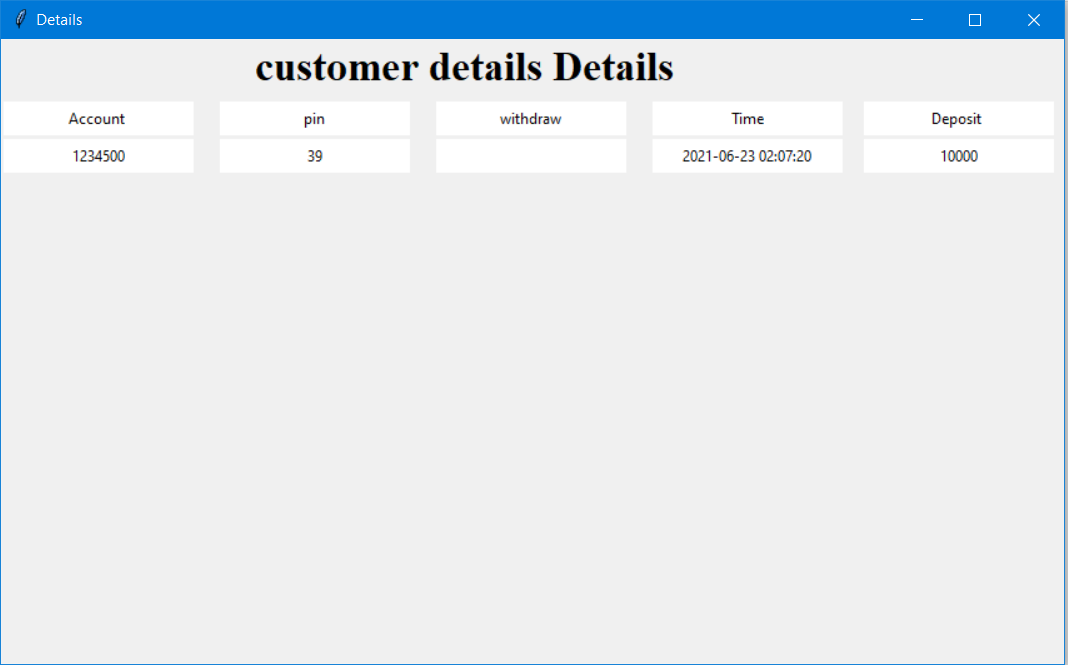
BALANCE INQUIRY



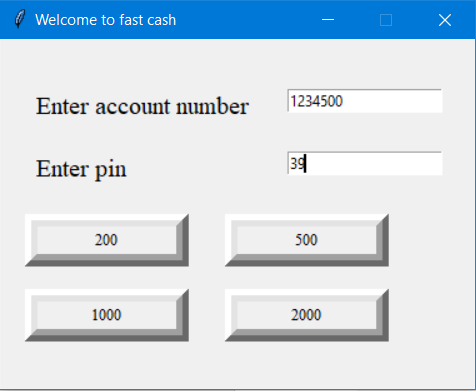


MINI STATEMENT

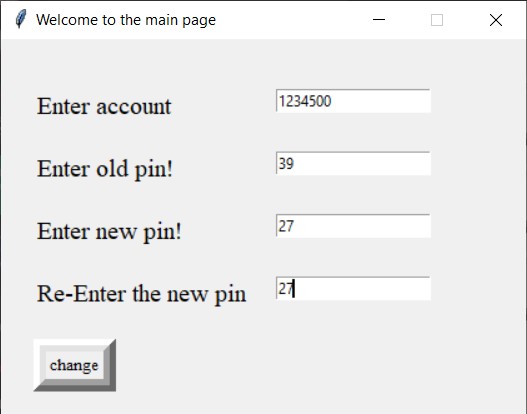




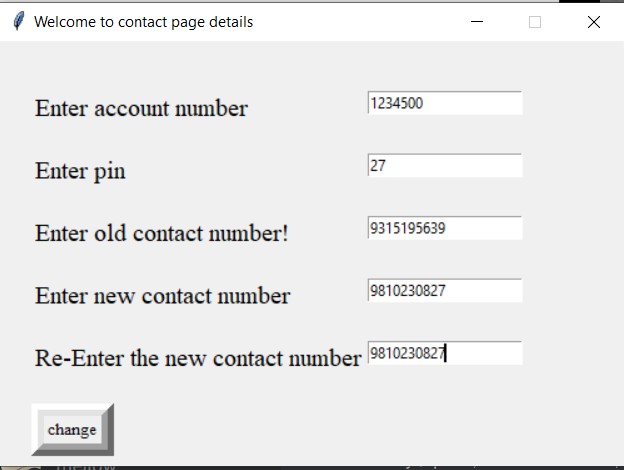
FAST CASH



CHANGE PIN



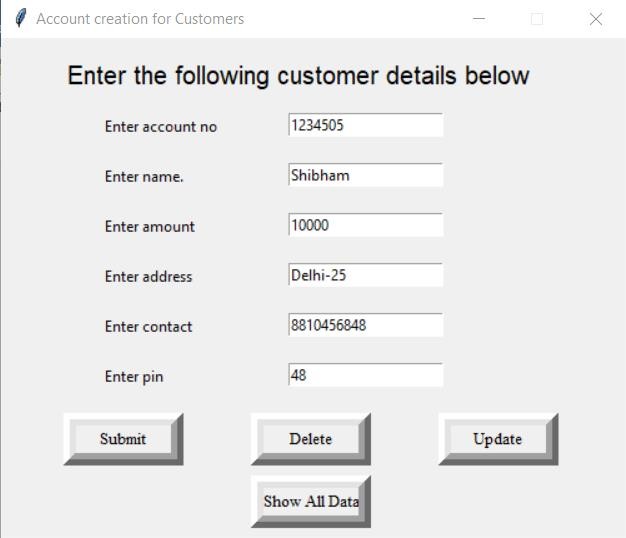
UPDATE CONTACT



ADMIN LOGIN



ACCOUNT CREATION



SOURCE CODE

→ADMIN LOGIN

from tkinter import \* import pymysql

import pymysql.cursors

from tkinter import messagebox

def login():

# uid=tb.get() us = user.get() pa = pwd.get() print(us) print(pa)

conn = pymysql.connect(host='localhost'**,** user='root'**,** password=''**,** db='atm')

a = conn.cursor()

a.execute("select \* from alogin where id='" + us + "' and password='" + pa + "'")

results = a.fetchall() count = a.rowcount print(results) print(count)

if (count > **0**): def update():

def update\_fun():

conn = pymysql.connect(host="localhost"**,** user="root"**,** password=""**,** db='atm')

try:

str(acc))

acc = tb1.get() askval = asktb.get() newval = valtb.get() print(newval)

var = conn.cursor()

v = var.execute("select \* from pnb where account = " +

if v != **0**:

dbid = var.fetchall() if (

askval == 'name' or askval == 'NAME' or askval == 'address' or askval == 'ADDRESS' or askval == 'contact' or askval

== 'CONTACT' or askval == 'ACCOUNT' or askval == 'account'):

var.execute("update pnb set " + askval + " = '"

+ newval + "' where account = " + str(acc))

messagebox.showinfo("Information"**,** "information

updated Successfully")

valid detail")

conn.commit() else:

messagebox.showerror("Information"**,** "Enter a

found")

else:

messagebox.showerror("Information"**,** "account not

except:

Failed")

conn.rollback() messagebox.showerror("Information"**,** "Data Transfer

upwin = Tk() upwin.title("Update here!") upwin.geometry("300x300") upwin.resizable(False**,** False)

lb1 = Label(upwin**,** text="Enter account").place(x=**60,** y=**13**)

acc = StringVar()

tb1 = Entry(upwin**,** textvariable=acc**,** width=**29**) tb1.place(x=**30,** y=**30**)

asklb = Label(upwin**,** text="What you want to update?").place(x=**60,** y=**55**)

y=**120**)

ask = StringVar()

asktb = Entry(upwin**,** textvariable=ask**,** width=**29**) asktb.place(x=**30,** y=**90**)

vallb = Label(upwin**,** text="Enter New Values!").place(x=**60,**

val = StringVar()

valtb = Entry(upwin**,** textvariable=val**,** width=**29**) valtb.place(x=**30,** y=**150**)

updatebtn = Button(upwin**,** text="Update"**,** command=update\_fun).place(x=**90,** y=**180**)

def delete():

def delet():

conn = pymysql.connect(host="localhost"**,** user="root"**,** password=""**,** db='atm')

try:

acc)

Successfully")

found")

acc = tb1.get()

var = conn.cursor()

v = var.execute("delete from pnb where account = " +

if v != **0**:

dbid = var.fetchall() messagebox.showinfo("Information"**,** "Data deleted

conn.commit() else:

messagebox.showerror("Information"**,** "Data not

Failed")

except:

conn.rollback() messagebox.showerror("Information"**,** "Data Transfer

dele = Tk() dele.title("Delete with ID") dele.geometry("300x100") dele.resizable(False**,** False)

lb1 = Label(dele**,** text="Enter account number") lb1.place(x=**15,** y=**20**)

tb1 = Entry(dele) tb1.place(x=**95,** y=**20**)

delbtn = Button(dele**,** text="Delete"**,** command=delet).place(x=**120,** y=**50**)

def show():

if True:

conn = pymysql.connect(host="localhost"**,** user="root"**,** password=""**,** db='atm')

var = conn.cursor() var.execute('select \* from pnb ') v = var.fetchall()

show = Tk() show.geometry("850x500") show.resizable(False**,** True) show.title("Details")

vary = **80**

headlb = Label(show**,** text="customer details Details"**,** font="Times 25 bold").grid(row=**0,** column=**1,**

padx=**200**)

# Label of the Table

#

lb1 = Label(show**,** text="Account number"**,** width=**20,** bg="white"**,** bd=**5**).place(x=**2,** y=**50**)

lb2 = Label(show**,** text="Name"**,** width=**20,** bg="white"**,** bd=**5**).place(x=**175,** y=**50**)

lb3 = Label(show**,** text="Amount"**,** width=**20,** bg="white"**,** bd=**5**).place(x=**348,** y=**50**)

lb4 = Label(show**,** text="address"**,** width=**20,** bg="white"**,** bd=**5**).place(x=**521,** y=**50**)

lb5 = Label(show**,** text="contact "**,** width=**20,** bg="white"**,** bd=**5**).place(x=**690,** y=**50**)

for i in range(**0,** var.rowcount):

lb1 = Label(show**,** text=v[i][**0**]**,** width=**20,** bg="white"**,** bd=**5**).place(x=**2,** y=vary)

lb2 = Label(show**,** text=v[i][**1**]**,** width=**20,** bg="white"**,** bd=**5**).place(x=**175,** y=vary)

b3 = Label(show**,** text=v[i][**2**]**,** width=**20,** bg="white"**,** bd=**5**).place(x=**348,** y=vary)

lb4 = Label(show**,** text=v[i][**3**]**,** width=**20,** bg="white"**,** bd=**5**).place(x=**521,** y=vary)

lb5 = Label(show**,** text=v[i][**4**]**,** width=**20,** bg="white"**,** bd=**5**).place(x=**690,** y=vary)

vary += **30**

print(vary) conn.commit()

else:

conn.rollback()

print("!!!!!!!!!!!!!!!!!!!!!!Exception!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!")

def submit():

acc = tb1.get() nm = tb2.get() amnt = tb3.get() addr = tb4.get()

cont = tb5.get() pi = tb6.get()

print(acc**,** nm**,** amnt**,** addr**,** cont**,** pi)

conn = pymysql.connect(host="localhost"**,** user="root"**,** password=""**,** db='atm')

try:

var = conn.cursor() var.execute(

"insert into pnb(account,name,amount,address,contact,pin) values ('" + acc + "','" + nm

+ "','" + amnt + "','" + addr + "','" + cont + "','" + pi + "')")

# var.execute("insert into pnb(account, name, amount, address,contact,pin) values ('"+tb1.get()+"','"+tb2.get()+"','"+tb3.get()+"','"+tb4.get()+"','"+tb5.get ()+"','"+tb6.get()+"')")

conn.commit()

messagebox.showinfo("Information"**,** "account has created") except:

account")

messagebox.showerror("Information"**,** "fail to create conn.rollback()

winn = Tk() winn.geometry("500x400")

winn.title("Account creation for Customers") winn.resizable(**0, 0**)

mainlabel = Label(winn**,** text="Enter the following customer details below "**,** font="Arial 15").place(x=**50,** y=**15**)

lb1 = Label(winn**,** text="Enter account no").place(x=**80,** y=**60**) acc = StringVar()

tb1 = Entry(winn**,** textvariable=acc) tb1.place(x=**230,** y=**60**)

lb2 = Label(winn**,** text="Enter name.").place(x=**80,** y=**100**) nm = StringVar()

tb2 = Entry(winn**,** textvariable=nm) tb2.place(x=**230,** y=**100**)

lb3 = Label(winn**,** text="Enter amount").place(x=**80,** y=**140**) amnt = StringVar()

tb3 = Entry(winn**,** textvariable=amnt) tb3.place(x=**230,** y=**140**)

lb4 = Label(winn**,** text="Enter address").place(x=**80,** y=**180**) addr = StringVar()

tb4 = Entry(winn**,** textvariable=addr) tb4.place(x=**230,** y=**180**)

lb5 = Label(winn**,** text="Enter contact").place(x=**80,** y=**220**) cont = StringVar()

tb5 = Entry(winn**,** textvariable=cont) tb5.place(x=**230,** y=**220**)

lb6 = Label(winn**,** text="Enter pin").place(x=**80,** y=**260**) pi = StringVar()

tb6 = Entry(winn**,** textvariable=pi) tb6.place(x=**230,** y=**260**)

submitbtn = Button(winn**,** text="Submit"**,** command=submit**,** width=**10,**

height=**1,** font="Times 10"**,** relief=RAISED**,**

bd=**10**).place(x=**50,** y=**300**)

deletebtn = Button(winn**,** text="Delete"**,** width=**10,** height=**1,** font="Times 10"**,** relief=RAISED**,** bd=**10,**

command=delete).place(x=**200,** y=**300**)

updatebtn = Button(winn**,** text="Update"**,** width=**10,** height=**1,** font="Times 10"**,** relief=RAISED**,** bd=**10,**

command=update).place(x=**350,** y=**300**)

showbtn = Button(winn**,** text="Show All Data"**,** width=**10,** height=**1,** font="Times 10"**,** relief=RAISED**,** bd=**10,**

command=show).place(x=**200,** y=**350**)

messagebox.showinfo("message"**,** "login successful")

else:

messagebox.showerror("message"**,** "please enter correct username or password")

win = Tk() win.geometry("500x400") win.title("Login Emp") win.configure(bg='gray')

# win.overrideredirect(True) # win.overrideredirect(False) win.resizable(False**,** False)

topframe = Frame(win**,** width=**1500,** height=**200,** bg="yellow"**,** relief='raise'**,** bd=**10**)

topframe.pack(side=TOP)

lb = Label(topframe**,** text="Panjab National Bank"**,** font=('italic'**, 20,**

'bold')**,** width=**20,** fg='pink'**,** bd=**4**) lb.grid(row=**0,** column=**0**)

mframe = Frame(win**,** width=**1000,** height=**800,** bg="orange"**,** relief='raise'**,** bd=**10**)

mframe.pack(padx=**50,** pady=**20**)

lb = Label(mframe**,** text="Admin Login"**,** font=('italic'**, 15,** 'bold')**,** bd=**5,** width=**30,** fg='pink'**,** relief='raise')

lb.grid(row=**0,** column=**0,** columnspan=**2,** padx=**10,** pady=**10**)

lb2 = Label(mframe**,** text="username"**,** width=**8**) lb2.grid(row=**1,** column=**0,** padx=**10,** pady=**10**) lb3 = Label(mframe**,** text="password"**,** width=**8**) lb3.grid(row=**2,** column=**0,** padx=**10,** pady=**10**)

user = StringVar()

tb1 = Entry(mframe**,** textvariable=user) tb1.grid(row=**1,** column=**1**)

pwd = StringVar()

tb2 = Entry(mframe**,** textvariable=pwd**,** show="\*") tb2.grid(row=**2,** column=**1**)

btn1 = Button(mframe**,** text="Login"**,** font=('italic'**, 15,** 'bold')**,** bd=**5,** width=**12,** fg='black'**,** relief='raise'**,**

command=login)

btn1.grid(row=**5,** column=**0,** columnspan=**2,** padx=**10,** pady=**10**)

for i in range(**1, 7**):

for j in range(**7,** i**,** -**1**): print("\*"**,** end="")

for k in range(**1,** i): print("\_"**,** end="")

print() mainloop()

## →END OF ADMIN LOGIN SOURCE CODE

from tkinter import \*

## SOURCE CODE

→ATM MACHINE

from pymysql import \*

import pymysql.cursors

from tkinter import messagebox

from datetime import \*

win=Tk()

win.geometry("500x330")

win.title("Welcome to the main page")

win.resizable(**0,0**)

def deposit():

upwin=Tk()

upwin.geometry("380x250")

upwin.title("Welcome to the deposit")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account number"**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**20**)

asktb.place(x=**230,**y=**40**)

vallb=Label(upwin**,**text="Enter pin"**,**font="Times

15").place(x=**26,**y=**90**)

val=StringVar()

valtb = Entry(upwin**,**textvariable=val**,**width=**20**)

valtb.place(x=**230,**y=**90**)

nwlb=Label(upwin**,**text="Enter ammount"**,**font="Times

15").place(x=**26,**y=**140**)

nw=StringVar()

nwtb = Entry(upwin**,**textvariable=nw**,**width=**20**)

nwtb.place(x=**230,**y=**140**)

def depo():

acc=asktb.get()

pi=valtb.get()

am=nwtb.get()

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"' and

pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount+'"+am+"' where

account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini (account,pin,dep,time)

values ('"+acc+"','"+pi+"','"+am+"','"+str(datetime.now())+"')")

conn.commit()

messagebox.showinfo("Information"**,**"deposited

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

messagebox.showinfo("Information"**,**"Data Transfer

Failed")

updatebtn=Button(upwin**,**text="deposit"**,**font="Times

10"**,**relief=RAISED**,**bd=**8,**command=depo).place(x=**26,**y=**200**)

def withdraw():

upwin=Tk()

upwin.geometry("380x260")

upwin.title("Welcome to the withdraw")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account number"**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**20**)

asktb.place(x=**230,**y=**40**)

vallb=Label(upwin**,**text="Enter pin"**,**font="Times

15").place(x=**26,**y=**90**)

val=StringVar()

valtb = Entry(upwin**,**textvariable=val**,**width=**20**)

valtb.place(x=**230,**y=**90**)

nwlb=Label(upwin**,**text="Enter ammount"**,**font="Times

15").place(x=**26,**y=**140**)

nw=StringVar()

nwtb = Entry(upwin**,**textvariable=nw**,**width=**20**)

nwtb.place(x=**230,**y=**140**)

def minus():

acc=asktb.get()

pi=valtb.get()

am=nwtb.get()

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"' and

pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount-'"+am+"' where

account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini (account,pin,withd,time)

values('"+acc+"','"+pi+"','"+am+"','"+str(datetime.now())+"')")

conn.commit()

messagebox.showinfo("Information"**,**"withdraw

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

messagebox.showinfo("Information"**,**"transaction fail")

updatebtn=Button(upwin**,**text="withdrwal"**,**font="Times

10"**,**relief=RAISED**,**bd=**8,**command=minus).place(x=**26,**y=**200**)

def fastcash():

win=Tk()

win.geometry("380x280")

win.title("Welcome to fast cash")

win.resizable(**0,0**)

asklb=Label(win**,**text="Enter account number"**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(win**,**textvariable=ask**,**width=**20**)

asktb.place(x=**230,**y=**40**)

vallb=Label(win**,**text="Enter pin"**,**font="Times

15").place(x=**26,**y=**90**)

val=StringVar()

valtb = Entry(win**,**textvariable=val**,**width=**20**)

valtb.place(x=**230,**y=**90**)

def two():

acc=asktb.get()

pi=valtb.get()

am=**200**

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"' and

pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount-'"+str(am)+"'

where account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini (account,pin,withd,time)

values('"+acc+"','"+pi+"','"+str(am)+"','"+str(datetime.now())+"')")

conn.commit()

messagebox.showinfo("Information"**,**"withdraw

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

messagebox.showinfo("Information"**,**"transaction fail")

def five():

acc=asktb.get()

pi=valtb.get()

am=**500**

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"' and

pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount-'"+str(am)+"'

where account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini (account,pin,withd,time)

values('"+acc+"','"+pi+"','"+str(am)+"','"+str(datetime.now())+"')")

conn.commit()

messagebox.showinfo("Information"**,**"withdraw

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

messagebox.showinfo("Information"**,**"transaction Failed")

def thousand():

acc=asktb.get()

pi=valtb.get()

am=**1000**

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"' and

pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount-'"+str(am)+"'

where account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini (account,pin,withd,time)

values('"+acc+"','"+pi+"','"+str(am)+"','"+str(datetime.now())+"')")

conn.commit()

messagebox.showinfo("Information"**,**"withdraw

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

messagebox.showinfo("Information"**,**"transaction Failed")

def fiveth():

acc=asktb.get()

pi=valtb.get()

am=**5000**

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"' and

pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount-'"+str(am)+"'

where account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini (account,pin,withd,time)

values('"+acc+"','"+pi+"','"+str(am)+"','"+str(datetime.now())+"')")

conn.commit()

messagebox.showinfo("Information"**,**"withdraw

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

messagebox.showinfo("Information"**,**"transaction Failed")

submitbtn = Button(win**,**text="200"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=two).place(x=**20,**y=**140**)

deletebtn = Button(win**,**text="500"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=five).place(x=**180,**y=**140**)

updatebtn = Button(win**,**text="1000"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=thousand).place(x=**20,**y=**200**)

showbtn = Button(win**,**text="2000"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=fiveth).place(x=**180,**y=**200**)

def ministate():

upwin=Tk()

upwin.geometry("300x200")

upwin.title("Welcome to the main page")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account number"**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**29**)

asktb.place(x=**30,**y=**90**)

def showmini():

if True:

acc=asktb.get()

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from mini where

account='"+acc+"'")

v = var.fetchall()

show = Tk()

show.geometry("850x500")

show.resizable(False**,**True)

show.title("Details")

vary=**80**

headlb=Label(show**,**text="customer details

Details"**,**font="Times 25 bold").grid(row=**0,**column=**1,**padx=**200**)

# Label of the Table

#

lb1 = Label(show**,**text="Account

"**,**width=**20,**bg="white"**,**bd=**5**).place(x=**2,**y=**50**)

lb2 =

Label(show**,**text="pin"**,**width=**20,**bg="white"**,**bd=**5**).place(x=**175,**y=**50**)

lb3 =

Label(show**,**text="withdraw"**,**width=**20,**bg="white"**,**bd=**5**).place(x=**348,**y=**5**

**0**)

lb4 =

Label(show**,**text="Time"**,**width=**20,**bg="white"**,**bd=**5**).place(x=**521,**y=**50**)

lb5 = Label(show**,**text="Deposit

"**,**width=**20,**bg="white"**,**bd=**5**).place(x=**690,**y=**50**)

for i in range(**0,**var.rowcount):

lb1 =

Label(show**,**text=v[i][**0**]**,**width=**20,**bg="white"**,**bd=**5**).place(x=**2,**y=vary)

lb2 =

Label(show**,**text=v[i][**1**]**,**width=**20,**bg="white"**,**bd=**5**).place(x=**175,**y=vary

)

lb3 =

Label(show**,**text=v[i][**2**]**,**width=**20,**bg="white"**,**bd=**5**).place(x=**348,**y=vary

)

lb4 =

Label(show**,**text=v[i][**3**]**,**width=**20,**bg="white"**,**bd=**5**).place(x=**521,**y=vary

)

lb5 =

Label(show**,**text=v[i][**4**]**,**width=**20,**bg="white"**,**bd=**5**).place(x=**690,**y=vary

)

vary+=**30**

print(vary)

conn.commit()

else:

conn.rollback()

print("!!!!!!!!!!!!!!!!!!!!!!Exception!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

!")

updatebtn=Button(upwin**,**text="show"**,**font="Times

10"**,**relief=RAISED**,**bd=**8,**command=showmini).place(x=**26,**y=**140**)

def transfer():

upwin=Tk()

upwin.geometry("350x230")

upwin.title("Balance Enquiry")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Select the option"**,**font="Times

20").place(x=**70,**y=**40**)

ask=StringVar()

def hdfc():

upwin=Tk()

upwin.geometry("480x350")

upwin.title("Welcome to the transfer page")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account number

from"**,**font="Times 15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**20**)

asktb.place(x=**250,**y=**40**)

vallb=Label(upwin**,**text="Enter pin"**,**font="Times

15").place(x=**26,**y=**90**)

val=StringVar()

valtb = Entry(upwin**,**textvariable=val**,**width=**20**)

valtb.place(x=**250,**y=**90**)

nwlb=Label(upwin**,**text="Enter amount"**,**font="Times

15").place(x=**26,**y=**140**)

nw=StringVar()

nwtb = Entry(upwin**,**textvariable=nw**,**width=**20**)

nwtb.place(x=**250,**y=**140**)

relb=Label(upwin**,**text="Enter account number to"**,**font="Times

15").place(x=**26,**y=**190**)

re=StringVar()

retb = Entry(upwin**,**textvariable=re**,**width=**20**)

retb.place(x=**250,**y=**190**)

ifslb=Label(upwin**,**text="Enter ifsc"**,**font="Times

15").place(x=**26,**y=**240**)

ifs=StringVar()

ifstb = Entry(upwin**,**textvariable=ifs**,**width=**20**)

ifstb.place(x=**250,**y=**240**)

updatebtn=Button(upwin**,**text="deposited"**,**font="Times

10"**,**relief=RAISED**,**bd=**8**).place(x=**26,**y=**290**)

def fund():

acc=asktb.get()

pi=valtb.get()

am=nwtb.get()

amnt=retb.get()

ifss=ifstb.get()

print(acc)

print(pi)

print(am)

print(amnt)

print(ifss)

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"'

and pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount-

'"+str(am)+"' where account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini

(account,pin,withd,time)

values('"+acc+"','"+pi+"','"+str(am)+"','"+str(datetime.now())+"')")

# var.execute("select \* from hdfc where

account='"+acc+"' and ifsc='"+ifss+"' ")

var.execute("update hdfc set

amount=amount+'"+str(am)+"' where account='"+amnt+"' and

ifsc='"+ifss+"' ")

conn.commit()

messagebox.showinfo("Information"**,**"withdraw

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

updatebtn=Button(upwin**,**text="deposited"**,**font="Times

10"**,**relief=RAISED**,**bd=**8,**command=fund).place(x=**26,**y=**290**)

submitbtn =

Button(upwin**,**text="HDFC"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=hdfc).place(x=**30,**y=**90**)

deletebtn =

Button(upwin**,**text="STATE"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10**).place(x=**180,**y=**90**)

updatebtn =

Button(upwin**,**text="PNB"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10**).place(x=**30,**y=**160**)

showbtn =

Button(upwin**,**text="ICICI"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10**).place(x=**180,**y=**160**)

def balenq():

upwin=Tk()

upwin.geometry("400x200")

upwin.title("Welcome to the transfer page")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account number "**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**20**)

asktb.place(x=**250,**y=**40**)

vallb=Label(upwin**,**text="Enter pin"**,**font="Times

15").place(x=**26,**y=**90**)

val=StringVar()

valtb = Entry(upwin**,**textvariable=val**,**width=**20**)

valtb.place(x=**250,**y=**90**)

def bal():

acc=asktb.get()

blc=valtb.get()

try:

conn=pymysql.connect(host='localhost'**,**user='root'**,**password=''**,**db='at

m')

a=conn.cursor()

a.execute("select amount from pnb where

account='"+acc+"'and pin='"+blc+"'")

results=a.fetchall()

count=a.rowcount

if(count>**0**):

for row in results:

for j in range(**0,**count):

messagebox.showinfo("your balance

is"**,**row[j])

else:

#print("Not Found")

messagebox.showinfo("message"**,**"not found")

except:

conn.rollback()

messagebox.showinfo("message"**,**"not change")

conn.close()

updatebtn=Button(upwin**,**text="show"**,**font="Times

11"**,**relief=RAISED**,**bd=**10,**command=bal).place(x=**26,**y=**130**)

def pinchange():

upwin=Tk()

upwin.geometry("420x300")

upwin.title("Welcome to the main page")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account "**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**20**)

asktb.place(x=**220,**y=**40**)

vallb=Label(upwin**,**text="Enter old pin!"**,**font="Times

15").place(x=**26,**y=**90**)

val=StringVar()

valtb = Entry(upwin**,**textvariable=val**,**width=**20**)

valtb.place(x=**220,**y=**90**)

nwlb=Label(upwin**,**text="Enter new pin!"**,**font="Times

15").place(x=**26,**y=**140**)

nw=StringVar()

nwtb = Entry(upwin**,**textvariable=nw**,**width=**20**)

nwtb.place(x=**220,**y=**140**)

relb=Label(upwin**,**text="Re-Enter the new pin"**,**font="Times

15").place(x=**26,**y=**190**)

re=StringVar()

retb = Entry(upwin**,**textvariable=re**,**width=**20**)

retb.place(x=**220,**y=**190**)

def change():

acc=asktb.get()

ol=valtb.get()

np=nwtb.get()

cn=retb.get()

try:

if(np==cn):

conn=pymysql.connect(host='localhost'**,**user='root'**,**password=''**,**db='at

m')

a=conn.cursor()

a.execute("update pnb set pin='"+np+"' where

account='"+acc+"' and pin='"+ol+"'")

conn.commit()

messagebox.showinfo("message"**,**"change")

else:

messagebox.showinfo("message"**,**"not match password")

except:

conn.rollback()

messagebox.showinfo("message"**,**"not change")

conn.close()

updatebtn=Button(upwin**,**text="change"**,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=change).place(x=**26,**y=**240**)

def conchange():

upwin=Tk()

upwin.geometry("500x340")

upwin.title("Welcome to contact page details")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account number"**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**20**)

asktb.place(x=**295,**y=**40**)

pilb=Label(upwin**,**text="Enter pin"**,**font="Times

15").place(x=**26,**y=**90**)

pi=StringVar()

pitb = Entry(upwin**,**textvariable=pi**,**width=**20**)

pitb.place(x=**295,**y=**90**)

oldlb=Label(upwin**,**text="Enter old contact number!"**,**font="Times

15").place(x=**26,**y=**140**)

old=StringVar()

oldtb = Entry(upwin**,**textvariable=old**,**width=**20**)

oldtb.place(x=**295,**y=**140**)

nwlb=Label(upwin**,**text="Enter new contact number"**,**font="Times

15").place(x=**26,**y=**190**)

nw=StringVar()

nwtb = Entry(upwin**,**textvariable=nw**,**width=**20**)

nwtb.place(x=**295,**y=**190**)

relb=Label(upwin**,**text="Re-Enter the new contact

number"**,**font="Times 15").place(x=**26,**y=**240**)

re=StringVar()

retb = Entry(upwin**,**textvariable=re**,**width=**20**)

retb.place(x=**295,**y=**240**)

def changecon():

acc=asktb.get()

pii=pitb.get()

ol=oldtb.get()

new=nwtb.get()

ree=retb.get()

try:

if(ree==new):

conn=pymysql.connect(host='localhost'**,**user='root'**,**password=''**,**db='at

m')

a=conn.cursor()

a.execute("update pnb set contact='"+new+"' where

account='"+acc+"' and pin='"+pii+"' and contact='"+ol+"'")

conn.commit()

messagebox.showinfo("message"**,**"change")

else:

messagebox.showinfo("message"**,**"not match password")

except:

conn.rollback()

messagebox.showinfo("message"**,**"not change")

conn.close()

updatebtn=Button(upwin**,**text="change"**,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=changecon).place(x=**26,**y=**290**)

submitbtn = Button(win**,**text="Deposit

Cash"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=deposit).place(x=**15,**y=**30**)

submitbtn = Button(win**,**text="Mini

Statement"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=ministate).place(x=**260,**y=**30**)

deletebtn = Button(win**,**text="Withdraw

Cash"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=withdraw).place(x=**15,**y=**100**)

deletebtn = Button(win**,**text="Fast

Cash"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=fastcash).place(x=**260,**y=**100**)

updatebtn = Button(win**,**text="Blanace

Enquiry"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=balenq).place(x=**15,**y=**170**)

updatebtn = Button(win**,**text="Change

Pin"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=pinchange).place(x=**260,**y=**170**)

'''showbtn = Button(win,text="Transfer

fund",width=15,height=1,font="Times

15",relief=RAISED,bd=10,command=transfer).place(x=15,y=240)'''

showbtn = Button(win**,**text="Update Contact

"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=conchange).place(x=**130,**y=**240**)

win.mainloop()

from tkinter import \*

from pymysql import \*

import pymysql.cursors

from tkinter import messagebox

from datetime import \*

win=Tk()

win.geometry("500x330")

win.title("Welcome to the main page")

win.resizable(**0,0**)

def deposit():

upwin=Tk()

upwin.geometry("380x250")

upwin.title("Welcome to the deposit")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account number"**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**20**)

asktb.place(x=**230,**y=**40**)

vallb=Label(upwin**,**text="Enter pin"**,**font="Times

15").place(x=**26,**y=**90**)

val=StringVar()

valtb = Entry(upwin**,**textvariable=val**,**width=**20,**)

valtb.place(x=**230,**y=**90**)

nwlb=Label(upwin**,**text="Enter ammount"**,**font="Times

15").place(x=**26,**y=**140**)

nw=StringVar()

nwtb = Entry(upwin**,**textvariable=nw**,**width=**20**)

nwtb.place(x=**230,**y=**140**)

def depo():

acc=asktb.get()

pi=valtb.get()

am=nwtb.get()

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"' and

pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount+'"+am+"' where

account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini (account,pin,dep,time)

values ('"+acc+"','"+pi+"','"+am+"','"+str(datetime.now())+"')")

conn.commit()

messagebox.showinfo("Information"**,**"deposited

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

messagebox.showinfo("Information"**,**"Data Transfer

Failed")

updatebtn=Button(upwin**,**text="deposit"**,**font="Times

10"**,**relief=RAISED**,**bd=**8,**command=depo).place(x=**26,**y=**200**)

def withdraw():

upwin=Tk()

upwin.geometry("380x260")

upwin.title("Welcome to the withdraw")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account number"**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**20**)

asktb.place(x=**230,**y=**40**)

vallb=Label(upwin**,**text="Enter pin"**,**font="Times

15").place(x=**26,**y=**90**)

val=StringVar()

valtb = Entry(upwin**,**textvariable=val**,**width=**20**)

valtb.place(x=**230,**y=**90**)

nwlb=Label(upwin**,**text="Enter ammount"**,**font="Times

15").place(x=**26,**y=**140**)

nw=StringVar()

nwtb = Entry(upwin**,**textvariable=nw**,**width=**20**)

nwtb.place(x=**230,**y=**140**)

def minus():

acc=asktb.get()

pi=valtb.get()

am=nwtb.get()

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"' and

pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount-'"+am+"' where

account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini (account,pin,withd,time)

values('"+acc+"','"+pi+"','"+am+"','"+str(datetime.now())+"')")

conn.commit()

messagebox.showinfo("Information"**,**"withdraw

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

messagebox.showinfo("Information"**,**"transaction Failed")

updatebtn=Button(upwin**,**text="withdrwal"**,**font="Times

10"**,**relief=RAISED**,**bd=**8,**command=minus).place(x=**26,**y=**200**)

def fastcash():

win=Tk()

win.geometry("380x280")

win.title("Welcome to fast cash")

win.resizable(**0,0**)

asklb=Label(win**,**text="Enter account number"**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(win**,**textvariable=ask**,**width=**20**)

asktb.place(x=**230,**y=**40**)

vallb=Label(win**,**text="Enter pin"**,**font="Times

15").place(x=**26,**y=**90**)

val=StringVar()

valtb = Entry(win**,**textvariable=val**,**width=**20**)

valtb.place(x=**230,**y=**90**)

def two():

acc=asktb.get()

pi=valtb.get()

am=**200**

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"' and

pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount-'"+str(am)+"'

where account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini (account,pin,withd,time)

values('"+acc+"','"+pi+"','"+str(am)+"','"+str(datetime.now())+"')")

conn.commit()

messagebox.showinfo("Information"**,**"withdraw

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

messagebox.showinfo("Information"**,**"transaction Failed")

def five():

acc=asktb.get()

pi=valtb.get()

am=**500**

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"' and

pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount-'"+str(am)+"'

where account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini (account,pin,withd,time)

values('"+acc+"','"+pi+"','"+str(am)+"','"+str(datetime.now())+"')")

conn.commit()

messagebox.showinfo("Information"**,**"withdraw

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

messagebox.showinfo("Information"**,**"transaction Failed")

def thousand():

acc=asktb.get()

pi=valtb.get()

am=**1000**

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"' and

pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount-'"+str(am)+"'

where account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini (account,pin,withd,time)

values('"+acc+"','"+pi+"','"+str(am)+"','"+str(datetime.now())+"')")

conn.commit()

messagebox.showinfo("Information"**,**"withdraw

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

messagebox.showinfo("Information"**,**"transaction Failed")

def fiveth():

acc=asktb.get()

pi=valtb.get()

am=**5000**

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"' and

pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount-'"+str(am)+"'

where account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini (account,pin,withd,time)

values('"+acc+"','"+pi+"','"+str(am)+"','"+str(datetime.now())+"')")

conn.commit()

messagebox.showinfo("Information"**,**"withdraw

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

messagebox.showinfo("Information"**,**"transaction Failed")

submitbtn = Button(win**,**text="200"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=two).place(x=**20,**y=**140**)

deletebtn = Button(win**,**text="500"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=five).place(x=**180,**y=**140**)

updatebtn = Button(win**,**text="1000"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=thousand).place(x=**20,**y=**200**)

showbtn = Button(win**,**text="2000"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=fiveth).place(x=**180,**y=**200**)

def ministate():

upwin=Tk()

upwin.geometry("300x200")

upwin.title("Welcome to the main page")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account number"**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**29**)

asktb.place(x=**30,**y=**90**)

def showmini():

if True:

acc=asktb.get()

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from mini where

account='"+acc+"'")

v = var.fetchall()

show = Tk()

show.geometry("850x500")

show.resizable(False**,**True)

show.title("Details")

vary=**80**

headlb=Label(show**,**text="customer details

Details"**,**font="Times 25 bold").grid(row=**0,**column=**1,**padx=**200**)

# Label of the Table

#

lb1 = Label(show**,**text="Account

"**,**width=**20,**bg="white"**,**bd=**5**).place(x=**2,**y=**50**)

lb2 =

Label(show**,**text="pin"**,**width=**20,**bg="white"**,**bd=**5**).place(x=**175,**y=**50**)

lb3 =

Label(show**,**text="withdraw"**,**width=**20,**bg="white"**,**bd=**5**).place(x=**348,**y=**5**

**0**)

lb4 =

Label(show**,**text="Time"**,**width=**20,**bg="white"**,**bd=**5**).place(x=**521,**y=**50**)

lb5 = Label(show**,**text="Deposit

"**,**width=**20,**bg="white"**,**bd=**5**).place(x=**690,**y=**50**)

for i in range(**0,**var.rowcount):

lb1 =

Label(show**,**text=v[i][**0**]**,**width=**20,**bg="white"**,**bd=**5**).place(x=**2,**y=vary)

lb2 =

Label(show**,**text=v[i][**1**]**,**width=**20,**bg="white"**,**bd=**5**).place(x=**175,**y=vary

)

lb3 =

Label(show**,**text=v[i][**2**]**,**width=**20,**bg="white"**,**bd=**5**).place(x=**348,**y=vary

)

lb4 =

Label(show**,**text=v[i][**3**]**,**width=**20,**bg="white"**,**bd=**5**).place(x=**521,**y=vary

)

lb5 =

Label(show**,**text=v[i][**4**]**,**width=**20,**bg="white"**,**bd=**5**).place(x=**690,**y=vary

)

vary+=**30**

print(vary)

conn.commit()

else:

conn.rollback()

print("!!!!!!!!!!!!!!!!!!!!!!Exception!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

!")

updatebtn=Button(upwin**,**text="show"**,**font="Times

10"**,**relief=RAISED**,**bd=**8,**command=showmini).place(x=**26,**y=**140**)

def transfer():

upwin=Tk()

upwin.geometry("350x230")

upwin.title("Balance Enquiry")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Select the option"**,**font="Times

20").place(x=**70,**y=**40**)

ask=StringVar()

def hdfc():

upwin=Tk()

upwin.geometry("480x350")

upwin.title("Welcome to the transfer page")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account number

from"**,**font="Times 15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**20**)

asktb.place(x=**250,**y=**40**)

vallb=Label(upwin**,**text="Enter pin"**,**font="Times

15").place(x=**26,**y=**90**)

val=StringVar()

valtb = Entry(upwin**,**textvariable=val**,**width=**20**)

valtb.place(x=**250,**y=**90**)

nwlb=Label(upwin**,**text="Enter amount"**,**font="Times

15").place(x=**26,**y=**140**)

nw=StringVar()

nwtb = Entry(upwin**,**textvariable=nw**,**width=**20**)

nwtb.place(x=**250,**y=**140**)

relb=Label(upwin**,**text="Enter account number to"**,**font="Times

15").place(x=**26,**y=**190**)

re=StringVar()

retb = Entry(upwin**,**textvariable=re**,**width=**20**)

retb.place(x=**250,**y=**190**)

ifslb=Label(upwin**,**text="Enter ifsc"**,**font="Times

15").place(x=**26,**y=**240**)

ifs=StringVar()

ifstb = Entry(upwin**,**textvariable=ifs**,**width=**20**)

ifstb.place(x=**250,**y=**240**)

updatebtn=Button(upwin**,**text="deposited"**,**font="Times

10"**,**relief=RAISED**,**bd=**8**).place(x=**26,**y=**290**)

def fund():

acc=asktb.get()

pi=valtb.get()

am=nwtb.get()

amnt=retb.get()

ifss=ifstb.get()

print(acc)

print(pi)

print(am)

print(amnt)

print(ifss)

conn =

connect(host="localhost"**,**user="root"**,**password=""**,**db='atm')

var = conn.cursor()

var.execute("select \* from pnb where account='"+acc+"'

and pin='"+pi+"' ")

row=var.rowcount

if(row>**0**):

var.execute("update pnb set amount=amount-

'"+str(am)+"' where account='"+acc+"' and pin='"+pi+"' ")

var.execute("insert into mini

(account,pin,withd,time)

values('"+acc+"','"+pi+"','"+str(am)+"','"+str(datetime.now())+"')")

# var.execute("select \* from hdfc where

account='"+acc+"' and ifsc='"+ifss+"' ")

var.execute("update hdfc set

amount=amount+'"+str(am)+"' where account='"+amnt+"' and

ifsc='"+ifss+"' ")

conn.commit()

messagebox.showinfo("Information"**,**"withdraw

successfully")

else:

messagebox.showinfo("Information"**,**"not valid")

conn.rollback()

updatebtn=Button(upwin**,**text="deposited"**,**font="Times

10"**,**relief=RAISED**,**bd=**8,**command=fund).place(x=**26,**y=**290**)

submitbtn =

Button(upwin**,**text="HDFC"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=hdfc).place(x=**30,**y=**90**)

deletebtn =

Button(upwin**,**text="STATE"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10**).place(x=**180,**y=**90**)

updatebtn =

Button(upwin**,**text="PNB"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10**).place(x=**30,**y=**160**)

showbtn =

Button(upwin**,**text="ICICI"**,**width=**15,**height=**1,**font="Times

10"**,**relief=RAISED**,**bd=**10**).place(x=**180,**y=**160**)

def balenq():

upwin=Tk()

upwin.geometry("400x200")

upwin.title("Welcome to the transfer page")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account number "**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**20**)

asktb.place(x=**250,**y=**40**)

vallb=Label(upwin**,**text="Enter pin"**,**font="Times

15").place(x=**26,**y=**90**)

val=StringVar()

valtb = Entry(upwin**,**textvariable=val**,**width=**20**)

valtb.place(x=**250,**y=**90**)

def bal():

acc=asktb.get()

blc=valtb.get()

try:

conn=pymysql.connect(host='localhost'**,**user='root'**,**password=''**,**db='at

m')

a=conn.cursor()

a.execute("select amount from pnb where

account='"+acc+"'and pin='"+blc+"'")

results=a.fetchall()

count=a.rowcount

if(count>**0**):

for row in results:

for j in range(**0,**count):

messagebox.showinfo("your balance

is"**,**row[j])

else:

#print("Not Found")

messagebox.showinfo("message"**,**"not found")

except:

conn.rollback()

messagebox.showinfo("message"**,**"not change")

conn.close()

updatebtn=Button(upwin**,**text="show"**,**font="Times

11"**,**relief=RAISED**,**bd=**10,**command=bal).place(x=**26,**y=**130**)

def pinchange():

upwin=Tk()

upwin.geometry("420x300")

upwin.title("Welcome to the main page")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account "**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**20**)

asktb.place(x=**220,**y=**40**)

vallb=Label(upwin**,**text="Enter old pin!"**,**font="Times

15").place(x=**26,**y=**90**)

val=StringVar()

valtb = Entry(upwin**,**textvariable=val**,**width=**20**)

valtb.place(x=**220,**y=**90**)

nwlb=Label(upwin**,**text="Enter new pin!"**,**font="Times

15").place(x=**26,**y=**140**)

nw=StringVar()

nwtb = Entry(upwin**,**textvariable=nw**,**width=**20**)

nwtb.place(x=**220,**y=**140**)

relb=Label(upwin**,**text="Re-Enter the new pin"**,**font="Times

15").place(x=**26,**y=**190**)

re=StringVar()

retb = Entry(upwin**,**textvariable=re**,**width=**20**)

retb.place(x=**220,**y=**190**)

def change():

acc=asktb.get()

ol=valtb.get()

np=nwtb.get()

cn=retb.get()

try:

if(np==cn):

conn=pymysql.connect(host='localhost'**,**user='root'**,**password=''**,**db='at

m')

a=conn.cursor()

a.execute("update pnb set pin='"+np+"' where

account='"+acc+"' and pin='"+ol+"'")

conn.commit()

messagebox.showinfo("message"**,**"change")

else:

messagebox.showinfo("message"**,**"not match password")

except:

conn.rollback()

messagebox.showinfo("message"**,**"not change")

conn.close()

updatebtn=Button(upwin**,**text="change"**,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=change).place(x=**26,**y=**240**)

def conchange():

upwin=Tk()

upwin.geometry("500x340")

upwin.title("Welcome to contact page details")

upwin.resizable(**0,0**)

asklb=Label(upwin**,**text="Enter account number"**,**font="Times

15").place(x=**26,**y=**40**)

ask=StringVar()

asktb = Entry(upwin**,**textvariable=ask**,**width=**20**)

asktb.place(x=**280,**y=**40**)

pilb=Label(upwin**,**text="Enter pin"**,**font="Times

15").place(x=**26,**y=**90**)

pi=StringVar()

pitb = Entry(upwin**,**textvariable=pi**,**width=**20**)

pitb.place(x=**280,**y=**90**)

oldlb=Label(upwin**,**text="Enter old contact number!"**,**font="Times

15").place(x=**26,**y=**140**)

old=StringVar()

oldtb = Entry(upwin**,**textvariable=old**,**width=**20**)

oldtb.place(x=**280,**y=**140**)

nwlb=Label(upwin**,**text="Enter new contact number"**,**font="Times

15").place(x=**26,**y=**190**)

nw=StringVar()

nwtb = Entry(upwin**,**textvariable=nw**,**width=**20**)

nwtb.place(x=**280,**y=**190**)

relb=Label(upwin**,**text="Re-Enter the new pin"**,**font="Times

15").place(x=**26,**y=**240**)

re=StringVar()

retb = Entry(upwin**,**textvariable=re**,**width=**20**)

retb.place(x=**280,**y=**240**)

def changecon():

acc=asktb.get()

pii=pitb.get()

ol=oldtb.get()

new=nwtb.get()

ree=retb.get()

try:

if(ree==new):

conn=pymysql.connect(host='localhost'**,**user='root'**,**password=''**,**db='at

m')

a=conn.cursor()

a.execute("update pnb set contact='"+new+"' where

account='"+acc+"' and pin='"+pii+"' and contact='"+ol+"'")

conn.commit()

messagebox.showinfo("message"**,**"change")

else:

messagebox.showinfo("message"**,**"not match password")

except:

conn.rollback()

messagebox.showinfo("message"**,**"not change")

conn.close()

updatebtn=Button(upwin**,**text="change"**,**font="Times

10"**,**relief=RAISED**,**bd=**10,**command=changecon).place(x=**26,**y=**290**)

submitbtn = Button(win**,**text="Deposit

Cash"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=deposit).place(x=**15,**y=**30**)

submitbtn = Button(win**,**text="Mini

Statement"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=ministate).place(x=**260,**y=**30**)

deletebtn = Button(win**,**text="Withdraw

Cash"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=withdraw).place(x=**15,**y=**100**)

deletebtn = Button(win**,**text="Fast

Cash"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=fastcash).place(x=**260,**y=**100**)

updatebtn = Button(win**,**text="Blanace

Enquiry"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=balenq).place(x=**15,**y=**170**)

updatebtn = Button(win**,**text="Change

Pin"**,**width=**15,**height=**1,**font="Times

15"**,**relief=RAISED**,**bd=**10,**command=pinchange).place(x=**260,**y=**170**)

showbtn = Button(win**,**text="Transfer fund"**,**width=**15,**height=**1,**font="Times 15"**,**relief=RAISED**,**bd=**10,**command=transfer).place(x=**15,**y=**240**) showbtn = Button(win**,**text="Update Contact "**,**width=**15,**height=**1,**font="Times 15"**,**relief=RAISED**,**bd=**10,**command=conchange).place(x=**260,**y=**240**)

win.mainloop()

## →END OF ATM MACHINE PROJECT