BANK APP PROJECT

```
import pymysql
db=pymysql.connect (host="localhost",
                    user="prakshi",
                    password="Prakshi@23kk",
                    database="du_bank" )
cur=db.cursor()


while True:
    print('---*---*---*---*---*---*---*---*---*---*---*---*---*---*---$---DETROIT UNITED BANK---$---*---*---*---*---*---*---*---*---*---*---*---*---*---*---*--')
    print('''
           1)OPEN NEW ACCOUNT
           2)PERFORM TRANSACTIONS FOR AN ACCOUNT
           3)EXIT
                     ''')


    choice=int(input('ENTER YOUR CHOICE: '))
    print('   ')
    if choice==3:
        db.close()
        break
    elif choice==1:
        name=input('ENTER FULL NAME: ')
        address=input('ENTER ADDRESS: ')
        phoneno=input('ENTER YOUR PHONE NO.: ')
        bdate=input('ENTER YOUR BIRTHDATE (YYYY-MM-DD): ')
        email=input('ENTER EMAIL: ')
        username=input('ENTER USERNAME FOR YOUR ACCOUNT(10 CHARACTERS NO SPECIAL_CHARACTERS E.G.- @,!,#,$ etc): ')


        insertquery = f'insert into cinfo(name,address,phone_no,birthdate,email,username) values("{name}","{address}","{phoneno}","{bdate}","{email}","{username}")'
```

```
        cur.execute(insertquery)
        db.commit()
        print('  ')
        print('  ')
        print(' LOGIN TO YOUR ACCOUNT')


        tablename=input('ENTER USERNAME: ')
        createquery=f'CREATE TABLE `{tablename}`(`id` int(23) auto_increment
primary key,`Transaction` varchar(10),`Amount` int(30))'
        cur.execute(createquery)
        print('  ')
        print('  ')
        print('NOTE: MINIMUM BALANCE IN BANK ACCOUNT MUST BE RS.5000 ')
        print('DEPOSIT MONEY IN YOUR ACCOUNT TO START ACCOUNT ')
        username=username
        print('  ')
        amount = int(input('ENTER AMOUNT: '))


        insert_query=f'insert into cbalance(username,balance)
values("{username}",{amount})'
        cur.execute(insert_query)
        insert__query=f'INSERT INTO `{tablename}`(transaction,amount)
VALUES("Deposit",{amount})'
        cur.execute(insert__query)
        db.commit()
        print(f'Rs.{amount} Deposited into your account.')
        print('  ')
        print(' !!!!!!!!!!  ACCOUNT CREATED SUCCESSFULLY   !!!!!!!!!! ')


    elif choice==2:
        username=input('ENTER USERNAME: ')
        while True:
            print('''
                  1)DEPOSIT OR WITHDRAW FROM YOUR ACCOUNT
```

```
                2)TRANSACTION REPORT & CLOSING BALANCE
                3)UPDATE USERNAME
                4)EXIT SUB-MENU
                    ''')

            subchoice=int(input('ENTER YOUR CHOICE: '))

            if subchoice==4:
                break

            if subchoice==1:
                print ('''
                            1.Deposit
                            2.Withdraw
                                        ''')
                transaction = int(input('ENTER TRANSACTION CHOICE: '))




                if transaction==1:
                    username=input('ENTER USERNAME: ')
                    tablename = username
                    amount = int(input('ENTER AMOUNT: '))


                    insertquery = f'INSERT INTO `{tablename}`(transaction,amount)
VALUES("Deposit",{amount})'
                    cur.execute(insertquery)
                    updatequery = f'UPDATE cbalance SET
`balance`=`balance`+{amount} WHERE username="{username}"'
                    cur.execute(updatequery)
                    db.commit()
                    print('  ')
                    print (f' Rs.{amount} Deposited to your account.')
```

```
                elif transaction==2:
                    username=input('ENTER USERNAME: ')
                    tablename = username
                    amount = int(input('ENTER AMOUNT: '))

                    insertquery = f'INSERT INTO `{tablename}`(transaction,amount)
VALUES("Withdraw",{amount})'
                    cur.execute(insertquery)
                    updatequery = f'UPDATE cbalance SET `balance`=`balance`-
{amount} WHERE username="{username}"'
                    cur.execute(updatequery)

                    db.commit()
                    print('  ')
                    print (f' Rs.{amount} Withdrawn from your account.')

                    selectquery_=f'SELECT balance FROM cbalance where
`balance`<5000 and `username`="{username}"'
                    cur.execute(selectquery_)
                    results = cur.fetchall()
                    for i in results:
                        print(f'CURRENT BALANCE:{i[0]}\t !! {username} YOU  HAVE
# INSUFFICIENT BALANCE #   IN  YOUR  ACCOUNT  MINIMUM BALANCE SHOULD BE Rs.5000
!! ')

                    db.commit()


            elif subchoice==2:
                username=input('ENTER USERNAME: ')
                print('    ')
                print('TRANSACTION REPORT')
                selectquery=f'select * from {username}'
                cur.execute(selectquery)
```

```
                db.commit()
                results = cur.fetchall()
                for i in results:
                        print(f'{i[0]}\t --->      {i[1]}\t ---->\t      {i[2]}\t
')
                print('    ')
                print('CLOSING BALANCE')
                select_query=f'select * from cbalance where
username="{username}"'
                cur.execute(select_query)
                db.commit()
                result = cur.fetchall()
                for i in result:
                        print(f'{i[0]}\t --->      {i[1]}\t ---->\t      {i[2]}\t
')



            elif subchoice==3:
                username=input('ENTER CURRENT USERNAME:')
                newusername=input('ENTER NEW USERNAME:')
                confirmuname=input('CONFIRM USERNAME:')
                updateuname=f'UPDATE cinfo SET username="{newusername}" WHERE
username="{username}"'
                updatetname=f'ALTER TABLE {username} RENAME {newusername}'
                updatecbuname=f'UPDATE cbalance SET username="{newusername}"
WHERE username="{username}"'
                cur.execute(updateuname)
                cur.execute(updatetname)
                cur.execute(updatecbuname)
                db.commit()
                print('\n !! USERNAME UPDATED SUCCESSFULLY !!')
```