PROJECT REPORT

BANK MANAGEMENT SYSTEM

SUBMITTED BY:- S. VIDHI IYER

<u>CERTIFICATE</u>

This is to certify that S.Vidhi Iyer has successfully completed the project

Work   entitled   **<u>"BANK   MANAGEMENT   SYSTEM"</u>**   in   Python

Programming.

CONTENTS

<u>ACKNOWLEDGEMENT</u>

Apart from one's efforts, the success of any project depends largely on the encouragement and guidelines of many others. I take this opportunity to express my gratitude to the people who have been instrumental in the successful completion of this project.

I express deep sense of gratitude to almighty God for giving me strength for the successful completion of the project.

I express my heartfelt gratitude to my parents for constant encouragement while carrying out this project.

-S. Vidhi Iyer

<u>SYNOPSIS</u>

Digital banking offers convenience for both the banks and its customers. While customers can save time and hassle through convenient banking transactions that can be conducted on-the-go, digital banks save money on physical infrastructure and hiring costs by moving a part of their transactions online

"**BANK MANAGEMENT SYSTEM**", this project is useful for the bank employees as well as customers to keep a track of account details. The emerging of digital system made information available on finger tips. The following are the objectives of the project:

- This project emphasis on creation of new customer accounts

- One can search account using various option.

- Updating details of Account.

- Closing an account.

- One can view the details of account as and when required in no time.

```python
import mysql.connector
import pickle

mydb=mysql.connector.connect(user='Vidhi Iyer',
            passwd='vidhi307331',
            host='localhost',
            auth_plugin='mysql_native_password',
            database='bank'
            )


mycursor=mydb.cursor(buffered=True)



def Menu():
    print('*'*140)
    myfile=open(R"C:\Mukul's\Python\file1.txt","r")
    str=myfile.read()
    print(str)
    print('MAIN MENU')
    print('1. Insert record/records')
    print('2. Display recods as per Account no. ')
    print('  a. Sorted as per Account no.')
    print('  b. Sorted as per Customer name.')
    print('  c. Sorted as per Customer balance ')
    print('3. Search record details as per Account no.')
    print('4. Update record')
```

```python
    print('5. Transaction-Debit/Withdraw from the account')
    print('  a. Debit/Withdraw from the account')
    print('  b. Credit into the account')
    print('6. EXIT')
    print('*'*140)


def MenuSort():
    print('  a. Sorted as per Account no.'.center(140))
    print('  b. Sorted as per Customer name.'.center(140))
    print('  c. Sorted as per Customer balance '.center(140))
    print('  d. Back'.center(140))


def MenuTransaction():
    print('  a. Debit/Withdraw from the account'.center(140))
    print('  b. Credit into the account'.center(140))
    print('  c. Back'.center(140))


def Create():
    try:
        mycursor.execute('create table bank(ACCNO varchar(10), NAME
varchar(20), MOBILE varchar(10), EMAIL varchar(25), ADDRESS
varchar(25), CITY varchar(20), COUNTRY varchar(20), BALANCE
float(20) )')
        print('TABLE CREATED')
        Insert()
    except:
        print('TABLE EXIST')
        Insert()
```

```python
def Insert():
    while True:
        Acc=input("Enter Account number=")
        Name=input("Enter name=")
        Mob=input("Enter mobile no.=")
        email=input("Enter email=")
        Add=input("Enter address=")
        City=input("Enter city=")
        Country=input("Enter country=")
        Bal=float(input("Enter your balance="))

Rec=[Acc,Name.upper(),Mob,email.upper(),Add.upper(),City.upper(),Country.upper(),Bal]
        Cmd="insert into bank values(%s,%s,%s,%s,%s,%s,%s,%s)"
        mycursor.execute(Cmd,Rec)
        mydb.commit()
        ch=input("Do you want to enter more records ?")
        if ch=='N' or ch=='n':
            break

def DispSortAcc():
    try:
        cmd="select * from bank order by ACCNO;"
        mycursor.execute(cmd)
        F="%15s,%15s,%15s,%15s,%15s,%15s,%15s,%15s"

print(F%("ACCNO","NAME","MOBILE","EMAIL","ADDRESS","CITY","COUNTRY","BALANCE"))
        print("="*125)
```

```python
        for i in mycursor:
            for j in i:
                print("%14s"%j, end='')
            print()
        print("="*125)
    except:
        print("Table doesn't exist")


def DispSortName():
    try:
        cmd="select * from bank order by NAME"
        mycursor.execute(cmd)
        F="%15s,%15s,%15s,%15s,%15s,%15s,%15s,%15s"

print(F%("ACCNO","NAME","MOBILE","EMAIL","ADDRESS","CITY","COUNTRY","BALANCE"))
        print("="*125)
        for i in mycursor:
            for j in i:
                print("%14s"%j, end='')
            print()
        print("="*125)
    except:
        print("Table doesn't exist")

def DispSortBal():
    try:
        cmd="select * from bank order by BALANCE;"
        mycursor.execute(cmd)
```

```python
        F="%15s,%15s,%15s,%15s,%15s,%15s,%15s,%15s"

print(F%("ACCNO","NAME","MOBILE","EMAIL","ADDRESS","CITY","COUNTRY","BALANCE"))
        print("="*125)
        for i in mycursor:
            for j in i:
                print("%14s"%j, end='')
            print()
        print("="*125)
    except:
        print("Table doesn't exist")

def DispSearchAcc():
    try:
        cmd="select * from bank;"
        mycursor.execute(cmd)
        ch=input('Enter accno. to be searched')
        for i in mycursor:
            if i[0]==ch:
                print('='*125)
                F="%15s,%15s,%15s,%15s,%15s,%15s,%15s,%15s"

print(F%("ACCNO","NAME","MOBILE","EMAIL","ADDRESS","CITY","COUNTRY","BALANCE"))
                print("="*125)
                for j in i:
                    print("%14s"%j, end='')
                print()
```

```python
                break
        else:
            print('Record not found')
    except:
        print("Table doesn't exist")


def Update():
    try:
        cmd="select * from bank;"
        mycursor.execute(cmd)
        A=input('ENTER THE ACCOUNT NO. WHOSE DETAILS ARE TO
BE CHANGED')
        for i in mycursor:
            i=list(i)
            if i[0]==A:
                ch=input("Change Name(Y/N)")
                if ch=='y' or ch=='Y':
                    i[1]=input('Enter Name')
                    i[1]=i[1].upper()

                ch=input("Change Mobile(Y/N)")
                if ch=='y' or ch=='Y':
                    i[2]=input('Enter Mobile')
                    i[2]=i[2].upper()

                ch=input("Change Email(Y/N)")
                if ch=='y' or ch=='Y':
                    i[3]=input('Enter Email')
                    i[3]=i[3].upper()
```

```python
        ch=input("Change Address(Y/N)")
        if ch=='y' or ch=='Y':
            i[4]=input('Enter Address')
            i[4]=i[4].upper()

        ch=input("Change City(Y/N)")
        if ch=='y' or ch=='Y':
            i[5]=input('Enter City')
            i[5]=i[5].upper()

        ch=input("Change Country(Y/N)")
        if ch=='y' or ch=='Y':
            i[6]=input('Enter Country')
            i[6]=i[6].upper()

        ch=input("Change Balance(Y/N)")
        if ch=='y' or ch=='Y':
            i[7]=float(input('Enter Balance'))
        cmd="UPDATE bank SET NAME=%s,MOBILE=%s,EMAIL=%s,ADDRESS=%s,CITY=%s,COUNTRY=%s,BALANCE=%s WHERE ACCNO=%s;"
        val=(i[1],i[2],i[3],i[4],i[5],i[6],i[7],i[0])
        mycursor.execute(cmd,val)
        mydb.commit()
        print("Account Updated")
        break
    else:
        print("Oops.....Record not found")
```

```python
    except:
        print("No such table")



def Debit():
    cmd="select * from bank;"
    mycursor.execute(cmd)
    print("Please note that the money can only be Debited if minimum
amount of Rs.5000 exists")
    acc=input("Enter the account no. from which the money is to be
debited:-")
    for i in mycursor:
        i=list(i)
        if i[0]==acc:
            Amt=float(input("Enter amount to be withdrawn:"))
            if i[7]-Amt>=5000:
                i[7]-=Amt
                cmd="UPDATE bank SET BALANCE=%s WHERE
ACCNO=%s;"
                val=(i[7],i[0])
                mycursor.execute(cmd,val)
                mydb.commit()
                print("Amount Debited")
                break
            else:
                print("There must be a balance of Rs. 5000")
                break
        else:
            print("Record not found")
```

```python
def Credit():
    try:
        cmd="select * from BANK"
        mycursor.execute(cmd)
        acc=input("Enter the account no. from which the money is to be credited:-")
        for i in mycursor:
            i=list(i)
            if i[0]==acc:
                Amt=float(input("Enter amount to be withdrawn"))
                i[7]+=Amt
                cmd="UPDATE bank SET BALANCE=%s WHERE ACCNO=%s;"
                val=(i[7],i[0])
                mycursor.execute(cmd,val)
                mydb.commit()
                print("Amount Credited")
                break
            else:
                print("Record not found")
    except:
        print("Table doesn't exist")


while True:
    Menu()
    ch=input("Enter your choice:")
    if ch=="1":
```

```python
        Create()
elif ch=="2":
    while True:
        MenuSort()
        ch1=input("Enter choices a/b/c/d:")
        if ch1 in ["a","A"]:
            DispSortAcc()
        elif ch1 in ['b','B']:
            DispSortName()
        elif ch1 in ['c','C']:
            DispSortBal()
        elif ch in ['d','D']:
            print("Back to main menu")
        break
    else:
        print('Invalid choice')
elif ch=='3':
    DispSearchAcc()
elif ch=='4':
    Update()
elif ch=='5':
    while True:
        MenuTransaction()
        ch1=input("Enter choices a/b/c")
        if ch1 in ['a','A']:
            Debit()
        elif ch1 in ['b','B']:
            Credit()
        elif ch1 in ['c','C']:
```

```python
                print("back to main menu")
                break
            else:
                print("Invalid choice")
    elif ch=='6':
        print("Exiting...")
        break
    else:
        print("Wrong choice entered")
```

OUTPUT

#Main menu

```
***************************************************************************************************************
                              WELCOME TO BANK MANAGEMENT SYSTEM

                                      MAIN MENU
                                1. Insert records
                                2. Display recods as per Account no.

                                    a. Sorted as per Account no.

                                    b. Sorted as per Customer name.

                                    c. Sorted as per Customer balance

                                3. Search record details as per Account no.

                                4. Update record
                                5. Delete record
                                6. Transaction-Debit/Withdraw from the account

                                    a. Debit/Withdraw from the account

                                    b. Credit into the account

                                7. EXIT
***************************************************************************************************************
```

#Already existing table in MySQL

```
mysql> select * from bank;
+--------+-------------+------------+-------------------+----------------------+---------+---------+---------+
| ACCNO  | NAME        | MOBILE     | EMAIL             | ADDRESS              | CITY    | COUNTRY | BALANCE |
+--------+-------------+------------+-------------------+----------------------+---------+---------+---------+
| 101010 | MUKUL SAYAL | 8448814151 | MUKUL@GMAIL.COM   | 202/2 PALAM          | DELHI   | INDIA   |   10000 |
| 101011 | VIDHI       | 9717645616 | VIDHI@GMAIL.COM   | D-121 CHANAKKYAPURI   | DELHI   | INDIA   |   10500 |
| 101012 | ROHIT       | 5476980908 | ROHIT@GMAIL.COM   | V-08 COLABA          | MUMBAI  | INDIA   |   11000 |
| 101013 | RITIKA      | 8359490239 | RITIKA@GMAIL.COM  | F-30 VASANT KUNJ     | KERALA  | INDIA   |   11500 |
| 101014 | SHAURYA     | 1234567890 | SHAURYA@GMAIL.COM | D-45                 | CHENNAI | INDIA   |   12000 |
+--------+-------------+------------+-------------------+----------------------+---------+---------+---------+
5 rows in set (0.00 sec)
```

-

#Creating a bank account

```
********************************************************************************
nter your choice:1
nter Account number=101015
nter name=Shubham
nter mobile no.=8938123451
nter email=shubham@gmail.com
nter address=960-B
nter city=Kochi
nter country=India
nter your balance=12500
o you want to enter more records ?(Y/N)n
********************************************************************************
```

#New record in MySQL

```
mysql> select * from bank;
+--------+-------------+------------+--------------------+--------------------+---------+---------+---------+
| ACCNO  | NAME        | MOBILE     | EMAIL              | ADDRESS            | CITY    | COUNTRY | BALANCE |
+--------+-------------+------------+--------------------+--------------------+---------+---------+---------+
| 101010 | MUKUL SAYAL | 8448814151 | MUKUL@GMAIL.COM    | 202/2 PALAM        | DELHI   | INDIA   |   10000 |
| 101011 | VIDHI       | 9717645616 | VIDHI@GMAIL.COM    | D-121 CHANAKKYAPURI | DELHI  | INDIA   |   10500 |
| 101012 | ROHIT       | 5476980908 | ROHIT@GMAIL.COM    | V-08 COLABA        | MUMBAI  | INDIA   |   11000 |
| 101013 | RITIKA      | 8359490239 | RITIKA@GMAIL.COM   | F-30 VASANT KUNJ   | KERALA  | INDIA   |   11500 |
| 101014 | SHAURYA     | 1234567890 | SHAURYA@GMAIL.COM  | D-45               | CHENNAI | INDIA   |   12000 |
| 101015 | SHUBHAM     | 8938123451 | SHUBHAM@GMAIL.COM  | 960-B              | KOCHI   | INDIA   |   12500 |
+--------+-------------+------------+--------------------+--------------------+---------+---------+---------+
6 rows in set (0.05 sec)
```

Display of records sorted as per Account number

```
Enter your choice:2
                                    a. Sorted as per Account no.

                                    b. Sorted as per Customer name.

                                    c. Sorted as per Customer balance

                                    d. Back
Enter choices a/b/c/d:a
            ACCNO,            NAME,        MOBILE,            EMAIL,          ADDRESS,          CITY,
    COUNTRY,        BALANCE
=====================================================================================================
            101010      MUKUL SAYAL      8448814151      MUKUL@GMAIL.COM      202/2 PALAM        DELHI
      INDIA        11500.0
            101011            VIDHI      9717645616      VIDHI@GMAIL.COM  D-121 CHANAKKYAPURI    DELHI
      INDIA        10500.0
            101012            ROHIT      5476980908      ROHIT@GMAIL.COM      V-08 COLABA       MUMBAI
      INDIA        11000.0
            101013           RITIKA      8359490239     RITIKA@GMAIL.COM  F-30 VASANT KUNJ      DELHI
      INDIA        11500.0
            101014          SHAURYA      1234567890    SHAURYA@GMAIL.COM            D-45      CHENNAI
      INDIA        12000.0
            101015          SHUBHAM      8938123451    SHUBHAM@GMAIL.COM            960-B       KOCHI
      INDIA        12500.0
=====================================================================================================
```

Display records sorted as per Customer name

```
Enter your choice:2
                                    a. Sorted as per Account no.

                                    b. Sorted as per Customer name.

                                    c. Sorted as per Customer balance

                                    d. Back
Enter choices a/b/c/d:b
            ACCNO,            NAME,        MOBILE,            EMAIL,          ADDRESS,          CITY,
    COUNTRY,        BALANCE
=====================================================================================================
            101010      MUKUL SAYAL      8448814151      MUKUL@GMAIL.COM      202/2 PALAM        DELHI
      INDIA        11500.0
            101013           RITIKA      8359490239     RITIKA@GMAIL.COM  F-30 VASANT KUNJ      DELHI
      INDIA        11500.0
            101012            ROHIT      5476980908      ROHIT@GMAIL.COM      V-08 COLABA       MUMBAI
      INDIA        11000.0
            101014          SHAURYA      1234567890    SHAURYA@GMAIL.COM            D-45      CHENNAI
      INDIA        12000.0
            101015          SHUBHAM      8938123451    SHUBHAM@GMAIL.COM            960-B       KOCHI
      INDIA        12500.0
            101011            VIDHI      9717645616      VIDHI@GMAIL.COM  D-121 CHANAKKYAPURI    DELHI
      INDIA        10500.0
=====================================================================================================
```

Display records sorted as per Customer balance

```
Enter your choice:2
                                   a. Sorted as per Account no.

                                   b. Sorted as per Customer name.

                                   c. Sorted as per Customer balance

                                   d. Back
Enter choices a/b/c/d:c
             ACCNO,              NAME,        MOBILE,             EMAIL,           ADDRESS,            CITY,
    COUNTRY,         BALANCE
===============================================================================================================
             101011             VIDHI     9717645616    VIDHI@GMAIL.COM  D-121 CHANAKKYAPURI          DELHI
    INDIA            10500.0
             101012             ROHIT     5476980908    ROHIT@GMAIL.COM         V-08 COLABA          MUMBAI
    INDIA            11000.0
             101010       MUKUL SAYAL      8448814151    MUKUL@GMAIL.COM         202/2 PALAM           DELHI
    INDIA            11500.0
             101013            RITIKA      8359490239   RITIKA@GMAIL.COM    F-30 VASANT KUNJ           DELHI
    INDIA            11500.0
             101014           SHAURYA      1234567890  SHAURYA@GMAIL.COM                D-45         CHENNAI
    INDIA            12000.0
             101015           SHUBHAM      8938123451  SHUBHAM@GMAIL.COM               960-B           KOCHI
    INDIA            12500.0
===============================================================================================================
```

#Search record details as per Account number

```
Enter your choice:3
Enter accno. to be searched:101010
===============================================================================================================
             ACCNO,              NAME,        MOBILE,             EMAIL,           ADDRESS,            CITY,
    COUNTRY,         BALANCE
===============================================================================================================
             101010       MUKUL SAYAL      8448814151    MUKUL@GMAIL.COM         202/2 PALAM           DELHI
    INDIA            11500.0
```

#Update record

```
********************************************************************************************
Enter your choice:4
ENTER THE ACCOUNT NO. WHOSE DETAILS ARE TO BE CHANGED:101013
Change Name(Y/N)n
Change Mobile(Y/N)n
Change Email(Y/N)n
Change Address(Y/N)n
Change City(Y/N)Delhi
Change Country(Y/N)n
Change Balance(Y/N)n
Account Updated
********************************************************************************************
```

#Before updation

```
mysql> select * from bank;
+--------+-------------+------------+--------------------+---------------------+---------+---------+---------+
| ACCNO  | NAME        | MOBILE     | EMAIL              | ADDRESS             | CITY    | COUNTRY | BALANCE |
+--------+-------------+------------+--------------------+---------------------+---------+---------+---------+
| 101010 | MUKUL SAYAL | 8448814151 | MUKUL@GMAIL.COM    | 202/2 PALAM         | DELHI   | INDIA   |   10000 |
| 101011 | VIDHI       | 9717645616 | VIDHI@GMAIL.COM    | D-121 CHANAKKYAPURI | DELHI   | INDIA   |   10500 |
| 101012 | ROHIT       | 5476980908 | ROHIT@GMAIL.COM    | V-08 COLABA         | MUMBAI  | INDIA   |   11000 |
| 101013 | RITIKA      | 8359490239 | RITIKA@GMAIL.COM   | F-30 VASANT KUNJ    | KERALA  | INDIA   |   11500 |
| 101014 | SHAURYA     | 1234567890 | SHAURYA@GMAIL.COM  | D-45                | CHENNAI | INDIA   |   12000 |
| 101015 | SHUBHAM     | 8938123451 | SHUBHAM@GMAIL.COM  | 960-B               | KOCHI   | INDIA   |   12500 |
+--------+-------------+------------+--------------------+---------------------+---------+---------+---------+
6 rows in set (0.05 sec)
```

#After updation

```
mysql> select * from bank;
+--------+-------------+------------+--------------------+---------------------+---------+---------+---------+
| ACCNO  | NAME        | MOBILE     | EMAIL              | ADDRESS             | CITY    | COUNTRY | BALANCE |
+--------+-------------+------------+--------------------+---------------------+---------+---------+---------+
| 101010 | MUKUL SAYAL | 8448814151 | MUKUL@GMAIL.COM    | 202/2 PALAM         | DELHI   | INDIA   |   10000 |
| 101011 | VIDHI       | 9717645616 | VIDHI@GMAIL.COM    | D-121 CHANAKKYAPURI | DELHI   | INDIA   |   10500 |
| 101012 | ROHIT       | 5476980908 | ROHIT@GMAIL.COM    | V-08 COLABA         | MUMBAI  | INDIA   |   11000 |
| 101013 | RITIKA      | 8359490239 | RITIKA@GMAIL.COM   | F-30 VASANT KUNJ    | DELHI   | INDIA   |   11500 |
| 101014 | SHAURYA     | 1234567890 | SHAURYA@GMAIL.COM  | D-45                | CHENNAI | INDIA   |   12000 |
| 101015 | SHUBHAM     | 8938123451 | SHUBHAM@GMAIL.COM  | 960-B               | KOCHI   | INDIA   |   12500 |
+--------+-------------+------------+--------------------+---------------------+---------+---------+---------+
6 rows in set (0.00 sec)
```

#Delete record

```
*****************************************************************************************************
Enter your choice:5
Enter accno. whose details are to be changed:101015
Account Deleted
*****************************************************************************************************
```

#Deletion in MySQL

#Before

```
mysql> select * from bank;
+--------+-------------+------------+---------------------+----------------------+---------+---------+---------+
| ACCNO  | NAME        | MOBILE     | EMAIL               | ADDRESS              | CITY    | COUNTRY | BALANCE |
+--------+-------------+------------+---------------------+----------------------+---------+---------+---------+
| 101010 | MUKUL SAYAL | 8448814151 | MUKUL@GMAIL.COM     | 202/2 PALAM          | DELHI   | INDIA   |   11500 |
| 101011 | VIDHI       | 9717645616 | VIDHI@GMAIL.COM     | D-121 CHANAKKYAPURI  | DELHI   | INDIA   |   10500 |
| 101012 | ROHIT       | 5476980908 | ROHIT@GMAIL.COM     | V-08 COLABA          | MUMBAI  | INDIA   |   11000 |
| 101013 | RITIKA      | 8359490239 | RITIKA@GMAIL.COM    | F-30 VASANT KUNJ     | DELHI   | INDIA   |   11500 |
| 101014 | SHAURYA     | 1234567890 | SHAURYA@GMAIL.COM   | D-45                 | CHENNAI | INDIA   |   12000 |
| 101015 | SHUBHAM     | 8938123451 | SHUBHAM@GMAIL.COM   | 960-B                | KOCHI   | INDIA   |   12500 |
+--------+-------------+------------+---------------------+----------------------+---------+---------+---------+
6 rows in set (0.00 sec)
```

#After

```
mysql>  select * from bank;
+--------+-------------+------------+---------------------+----------------------+---------+---------+---------+
| ACCNO  | NAME        | MOBILE     | EMAIL               | ADDRESS              | CITY    | COUNTRY | BALANCE |
+--------+-------------+------------+---------------------+----------------------+---------+---------+---------+
| 101010 | MUKUL SAYAL | 8448814151 | MUKUL@GMAIL.COM     | 202/2 PALAM          | DELHI   | INDIA   |   11500 |
| 101011 | VIDHI       | 9717645616 | VIDHI@GMAIL.COM     | D-121 CHANAKKYAPURI  | DELHI   | INDIA   |   10500 |
| 101012 | ROHIT       | 5476980908 | ROHIT@GMAIL.COM     | V-08 COLABA          | MUMBAI  | INDIA   |   11000 |
| 101013 | RITIKA      | 8359490239 | RITIKA@GMAIL.COM    | F-30 VASANT KUNJ     | DELHI   | INDIA   |   11500 |
| 101014 | SHAURYA     | 1234567890 | SHAURYA@GMAIL.COM   | D-45                 | CHENNAI | INDIA   |   12000 |
+--------+-------------+------------+---------------------+----------------------+---------+---------+---------+
5 rows in set (0.00 sec)
```

#Transaction - Debit/Withdraw from the account and credit into account

```
********************************************************************************************
Enter your choice:6
                                        a. Debit/Withdraw from the account
                                        b. Credit into the account
                                        c. Back
Enter choices a/b/ca
Please note that the money can only be Debited if minimum amount of Rs.5000 exists
Enter the account no. from which the money is to be debited:-101010
Enter amount to be withdrawn:500
Amount Debited
                                        a. Debit/Withdraw from the account
                                        b. Credit into the account
                                        c. Back
Enter choices a/b/cb
Enter the account no. from which the money is to be credited:-101010
Enter amount to be withdrawn2000
Amount Credited
                                        a. Debit/Withdraw from the account
                                        b. Credit into the account
                                        c. Back
Enter choices a/b/cc
back to main menu
********************************************************************************************
```

#Transaction shown in MySQL

#Debit

```
mysql> select * from bank;
+--------+-------------+------------+--------------------+---------------------+---------+---------+---------+
| ACCNO  | NAME        | MOBILE     | EMAIL              | ADDRESS             | CITY    | COUNTRY | BALANCE |
+--------+-------------+------------+--------------------+---------------------+---------+---------+---------+
| 101010 | MUKUL SAYAL | 8448814151 | MUKUL@GMAIL.COM    | 202/2 PALAM         | DELHI   | INDIA   |    9500 |
| 101011 | VIDHI       | 9717645616 | VIDHI@GMAIL.COM    | D-121 CHANAKKYAPURI | DELHI   | INDIA   |   10500 |
| 101012 | ROHIT       | 5476980908 | ROHIT@GMAIL.COM    | V-08 COLABA         | MUMBAI  | INDIA   |   11000 |
| 101013 | RITIKA      | 8359490239 | RITIKA@GMAIL.COM   | F-30 VASANT KUNJ    | DELHI   | INDIA   |   11500 |
| 101014 | SHAURYA     | 1234567890 | SHAURYA@GMAIL.COM  | D-45                | CHENNAI | INDIA   |   12000 |
+--------+-------------+------------+--------------------+---------------------+---------+---------+---------+
5 rows in set (0.03 sec)
```

#Transaction shown in MySQL

#Credit

```
mysql> select * from bank;
+--------+-------------+------------+--------------------+---------------------+---------+---------+---------+
| ACCNO  | NAME        | MOBILE     | EMAIL              | ADDRESS             | CITY    | COUNTRY | BALANCE |
+--------+-------------+------------+--------------------+---------------------+---------+---------+---------+
| 101010 | MUKUL SAYAL | 8448814151 | MUKUL@GMAIL.COM    | 202/2 PALAM         | DELHI   | INDIA   |   11500 |
| 101011 | VIDHI       | 9717645616 | VIDHI@GMAIL.COM    | D-121 CHANAKKYAPURI | DELHI   | INDIA   |   10500 |
| 101012 | ROHIT       | 5476980908 | ROHIT@GMAIL.COM    | V-08 COLABA         | MUMBAI  | INDIA   |   11000 |
| 101013 | RITIKA      | 8359490239 | RITIKA@GMAIL.COM   | F-30 VASANT KUNJ    | DELHI   | INDIA   |   11500 |
| 101014 | SHAURYA     | 1234567890 | SHAURYA@GMAIL.COM  | D-45                | CHENNAI | INDIA   |   12000 |
+--------+-------------+------------+--------------------+---------------------+---------+---------+---------+
5 rows in set (0.00 sec)
```

#Exiting

```
*************************************************************************************************************
                              WELCOME TO BANK MANAGEMENT SYSTEM

                                      MAIN MENU
                              1. Insert records
                              2. Display recods as per Account no.

                                    a. Sorted as per Account no.

                                    b. Sorted as per Customer name.

                                    c. Sorted as per Customer balance

                                3. Search record details as per Account no.

                              4. Update record
                              5. Delete record
                              6. Transaction-Debit/Withdraw from the account

                                    a. Debit/Withdraw from the account

                                     b. Credit into the account

                              7. EXIT
*************************************************************************************************************
Enter your choice:7
Exiting...
```

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