

```
import.  
java.sql.  
* ;
```

```
import java.util.*;  
import java.io.*;  
public class BankManagement  
{  
    static final String JDBC_DRIVER =  
        "com.mysql.jdbc.Driver";  
    static final String DB_URL =  
        "jdbc:mysql://localhost:3306/db_bank";  
    static final String USER =  
        "Priyankaandhare";  
  
    static final String PASS = "122ab@";  
    public static void main(String[] args)  
    {  
        connection conn=null;  
        Statement Stmt=null;  
        Try{  
            Class. ForName("com. Mysql .jdbc . Driver");  
            System. Out. Println("Connecting to a selected  
database..." );
```

```
Conn=DriverManager.Getconnection(DB_URL,DB_U  
SER,DB_PASS);
```

```
System. Out.println(“Connected database  
successfully..... ”);
```

```
System. Out. Println(“Creating table in given  
database”);
```

```
Stmt= conn.createStatement();
```

```
String sql=Create table tbl_account(“Acc_no  
number(10),name varchar2(30), age number(2)  
Address  
varchar2(30),opening_balance_amount int”);”
```

```
Stmt . executeUpdate(sql);
```

```
System. Out. Println(“The account table is created in  
given database ”);
```

```
System. Out. Println(“ Creating table transaction in  
given database ”);
```

```
String sql1=”Create table tbl_transaction(“Acc_no  
int,transaction date DATE, amount  
number(10),transaction_type Varchar2(30),balance  
int”);”
```

```
Stmt .executeUpdate (sql1) ;  
  
System. Out. Println(“Transaction table is created in  
given database ”);
```

```
System.out.println("*****BANK  
MANAGEMENT*****");  
while(true)  
{  
System.out.println("1.Savedetails .");  
System.out.println("2.Transaction .");  
System.out.println("3.printData");  
System.out.println("4.Delete  
Account");  
Scanner s=new Scanner("System.in");  
//initializing scanner to accept values  
System.out.println("Enter your  
choice");  
int choice=s.nextInt();  
switch(choice)  
{  
case 1:  
System.out.println("Enter your  
account no, name, age,address, opening balance  
account” );
```

```
int accno=s.nextInt();
```

```
String name=s.nextLine();
```

```
int age=s.nextInt();
```

```
String address=s.nextLine();
```

```
int opbalam=s.nextInt();
```

```
saveDetails(accno,name,age,address,opbal  
am);
```

```
break;
```

```
case 2:
```

```
System.out.println("Enter account  
no,transaction date,Amount, transaction type,  
amount balance ");
```

```
int accno2=s.nextInt();
```

```
String date=s.nextLine();
```

```
int amount=s.nextInt();
```

```
String trantype=s.nextLine();
```

```
        int balance1=s.nextInt();
        try
        {

transaction(accno2,date,amount,trantype,
balance1);
        }
        catch (Exception e)
        {
e.printStackTrace();
        }

break;

case 3:
    printData();
    break;

case 4:
    deleteAccount();
    break;

default:
    System.out.println("Invalid Choice ");
```

```
    }  
    }  
}
```

```
public static void saveDetails(int  
accno,String name,int age,String  
address,int opbalam)  
{  
    try  
    {
```

```
        System.out.println("Inserting records  
into the table...");  
        String sql2= "INSERT INTO tbl_account  
VALUES(accno,name,age,address,opbalam)";  
        //execute a query  
        stmt.executeUpdate(sql2);
```

```
        System.out.println("Inserted records  
into the 'tbl_account'table...");  
    }
```

```
    catch(SQLException se)  
    {  
        se.printStackTrace();  
    }
```

```
    catch(Exception e)  
    {  
        e.printStackTrace();  
    }
```

```
        System.out.println(" 1st Account is created  
Successfully ");  
    }
```

```
public static void transaction(int  
accno1,String date1,int amount,String  
trantype,int balance1) throws Exception  
{  
    String test=null;  
    test.toString();  
}
```

```
try
{
    System.out.println("Inserting records
into the table...");

    String sql3="INSERT INTO
`tbl_transaction`
VALUES(accno1,date1,amount, trantype,
balance1)";

    stmt1.executeUpdate(sql3);

    System.out.println("Inserted records
into the table...");

    String str3="deposit";

    if(trantype.equals(str3))
    {
        balance1=balance1+amount;
    }
    else
    {
        balance1=balance1-amount;
        if(balance1<amount)
        {
```



```
        throw new Exception("please check  
the ammount! Low balance");
```

```
    }
```

```
}
```

```
    sql4="UPDATE `tbl_transaction` SET  
`balance`=balance1 WHERE 1";
```

```
    stmt.executeUpdate(sql4);
```

```
}
```

```
catch(SQLException se)
```

```
{
```

```
    se.printStackTrace();
```

```
}
```

```
catch(Exception e)
```

```
{
```

```
    e.printStackTrace();
```

```
}
```

```
System.out.println("Transaction is done!");
```

```
}
```

```
public static void printData()
```

```
{
```

```
try
{

    String sql5="SELECT
accno,name,age,address,opbalam,date,tran
type,amount from tbl_account inner join
tbl_transaction on
tbl_account.accno=tbl_transaction";

    ResultSet rs =
stmt5.executeQuery(sql5);
```

```
try
{

    File obj = new File("Tom.txt");
    if (obj.createNewFile())
    {
        System.out.println("File
created: " + obj.getName());
    }
    else
    {
```

```
        System.out.println("File
exists.");
    }
    rs.next();
    Clob c=rs.getClob(2);
    Reader r=c.getCharacterStream();
    FileWriter fw=new
FileWriter("Tom.txt");
    int i;

    while((i=r.read())!=-1)
        fw.write((char)i);
    fw.close();

    System.out.println("Successfully written
in the file.");
}

catch (Exception e)
{
    System.out.println("An error
occurred.");
    e.printStackTrace();
}
}
```

```
        catch(Exception e)
        {
        }
    }
```

```
public static void deleteAccount()
{

    try
    {
        Scanner sn=new Scanner(System.in);

        System.out.println("Do you want to
delete account? if yes enter
account_no");
        int no=sn.nextInt();
        String sql6="DELETE FROM
`tbl_transaction` WHERE accno=no";

        stmt.executeUpdate(sql6);
    }
    catch(SQLException se)
    {
```

```
        se.printStackTrace();
    }
    catch(Exception e)
    {
        e.printStackTrace();
    }

}

}
```