```
package com.bank2;

import java.io.BufferedReader;
import java.io.InputStreamReader;

public class Bank {
        final int max_limit = 20;
        final  int min_limit = 1;
        final double min_bal = 500;
       private  String name[] = new String[20];
       private int accNo[] = new int[20];
       private  String accType[] = new String[20];
       private double balAmt[] = new double[20];
       static int totRec = 0;

      void Bank()
                        //CONSTRUCTOR
      {
         for(int i = 0;i < max_limit ; i++)
         {
           name[i] = "";
           accNo[i] = 0;
           accType[i] = "";
           balAmt[i] = 0.0;
        }
      }
```

```
                        //TO  ADD NEW RECORD

public void newEntry()
 {
       String str;
       int acno;
       double amt;
       boolean permit;
        permit = true;

       if (totRec > max_limit)
       {
           System.out.println("\nLIMIT EXISTS,CANT INSERT NEW ONE\n");
           permit = false;
       }

       if(permit = true)
       {
       totRec++;
       System.out.println("\nRECORD NEW ENTRY:\n");
       try{
               accNo[totRec] = totRec;
     //Created  AutoNumber  to accNo so no invalid id occurs
              System.out.println("ACCOUNT NUMBER: :  "+accNo[totRec]);
```

```
                    BufferedReader obj = new BufferedReader(new
InputStreamReader(System.in));

                    System.out.print("ENTER NAME :  ");

                    System.out.flush();

                    name[totRec] = obj.readLine();


                    System.out.print("ENTER ACCOUNT TYPE : ");

                    System.out.flush();

                    accType[totRec] = obj.readLine();


                   do{

                        System.out.print("ENTER AMOUNT TO BE DEPOSITED : ");

                        System.out.flush();

                        str=obj.readLine();

                        balAmt[totRec] = Double.parseDouble(str);

                      }while(balAmt[totRec] < min_bal);
        //Validation that minimun amount must be 500


                 System.out.println("\n\n\n");

                  }

                catch(Exception e)

                {}

            }

        }
```

```
                                                        //TO DISPLAY DETAILS OF RECORD
        public void display()
         {
            String str;
            int acno = 0;
            boolean valid = true;

            System.out.println("\nDISPLAYING DETAILS OF CUSTOMER:\n");
            try{
              BufferedReader obj = new BufferedReader(new
InputStreamReader(System.in));
              System.out.print("ENTER ACCOUNT NUMBER : ");
              System.out.flush();
              str = obj.readLine();
              acno=Integer.parseInt(str);
               if(acno < min_limit  || acno > totRec)
      //To check whether accNo is valid or Not
                {
                   System.out.println("\n\nINVALID ACCOUNT NUMBER \n\n");
                   valid = false;
                }

               if (valid == true)
                {
                  System.out.println("\n\nACCOUNT NUMBER : "+accNo[acno]);
                  System.out.println("NAME : "+name[acno]);
```

```
                System.out.println("ACCOUNT TYPE : "+accType[acno]);
                System.out.println("BALANCE AMOUNT : "+balAmt[acno]+"\n\n\n");
              }
            }
          catch(Exception e)
          {}
        }



                                                    //TO DEPOSIT AN AMOUNT
      public void deposit()
       {
          String str;
          double amt;
          int acno;
          boolean valid = true;
          System.out.println("\n\n\nDEPOSIT AN AMOUNT:");

          try{
                                                    //Reading deposit value
            BufferedReader obj = new BufferedReader(new
InputStreamReader(System.in));

                System.out.print("ENTER ACCOUNT NUMBER : ");
                System.out.flush();
```

```
                    str=obj.readLine();
                    acno = Integer.parseInt(str);
                     if (acno < min_limit || acno > totRec)
//To check whether accNo is valid or Not
                     {
                        System.out.println("\n\n\nINVALID ACCOUNT NUMBER \n\n");
                        valid = false;
                     }

                    if (valid == true)
                    {
                       System.out.print("ENTER AMOUNT TO BE DEPOSITED  : ");
                       System.out.flush();
                       str = obj.readLine();
                       amt = Double.parseDouble(str);

                       balAmt[acno] = balAmt[acno]+amt;

                            //Displaying Deposit Details
                       System.out.println("\nAFTER UPDATE.....");
                       System.out.println("ACCOUNT NUMBER :  "+acno);
                       System.out.println("BALANCE AMOUNT :  "+balAmt[acno]+"\n\n\n");
                    }
                }
              catch(Exception e)
              {}
```

```
        }

                                                        //TO WITHDRAW BALANCE
        public void withdraw()
        {
            String str;
            double amt,checkamt;
            int acno;
            boolean valid = true;
            System.out.println("\n\n\nWITHDRAW AMOUNT:");

            try{
                                                //Reading deposit value
                BufferedReader obj = new BufferedReader(new
InputStreamReader(System.in));

                System.out.print("ENTER ACCOUNT NUMBER : ");
                System.out.flush();
                str = obj.readLine();
                acno = Integer.parseInt(str);

                 if (acno < min_limit || acno > totRec)
    //To check whether accNo is valid or Not
                  {
```

```
                System.out.println("\n\n\nINVALID ACCOUNT NUMBER \n\n");
                valid = false;
              }

            if (valid == true)
            {
                System.out.println("BALANCE IS : "+balAmt[acno]);
                System.out.print("ENTER AMOUNT YOU WANT TO DEPOSIT  : ");
                System.out.flush();
                str = obj.readLine();
                amt = Double.parseDouble(str);

                checkamt = balAmt[acno]-amt;

                if(checkamt >= min_bal)
                 {
                   balAmt[acno] = checkamt;

              //Displaying Deposit Details
                   System.out.println("\nAFTER UPDATE...");
                   System.out.println("ACCOUNT NUMBER :  "+acno);
                   System.out.println("BALANCE AMOUNT :  "+balAmt[acno]+"\n\n\n");
                }
                else
                 {
                   System.out.println("\nYOU SHOULD MAINTAIN MINIMUM 500Rs
BALANCE\n\n\n");
```

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


            public void newEntry1()
            {
                    String str;
        int acno;
        double amt;
        boolean permit;
         permit = true;

        if (totRec > max_limit)
        {
            System.out.println("\nREGISTER YOU ARE NOT REGISTER USER..PLZ
REGISTER\n\n\n");
            permit = false;
        }

        if(permit = true)
                                                    //Allows to create new entry
        {
```

```
                totRec++;
                                                        // Incrementing Total Record
                System.out.println("\n\nRECORDING NEW ENTRY:");
                try{
                      accNo[totRec] = totRec;
                                  //Created  AutoNumber  to accNo so no invalid id occurs
                     System.out.println("ACCOUNT NUMBER :  "+accNo[totRec]);

                     BufferedReader obj = new BufferedReader(new
InputStreamReader(System.in));
                     System.out.print("ENTER NAME :  ");
                     System.out.flush();
                     name[totRec] = obj.readLine();

                     System.out.print("ENTER ACCOUNT TYPE : ");
                     System.out.flush();
                     accType[totRec] = obj.readLine();

                    do{
                        System.out.print("ENTER AMOUNT TO BE DEPOSITED : ");
                        System.out.flush();
                        str=obj.readLine();
                        balAmt[totRec] = Double.parseDouble(str);
                      }while(balAmt[totRec] < min_bal);
               //Validation that minimun amount must be 500

                  System.out.println("\n\n\n");
                   }
```

```
                    catch(Exception e)
                    {}
                }
                        }
public static void main(String[] args)
{
        System.out.println("welcome to some bank...");

}

        }
```