**The Election Commission requires the following task to be done. A class Voter with ID,cname, age and address as fields. Write toString() , getter methods and setData() method.TheVoterDemo has main () method which reads and stores data of 10 voters anddisplays a menu with following operations:**

**a) Add new voter.**

**b) Search voter based on ID.**

**//Votor module**

**package** Niranjan;

**public** **class** Voter {

**static** **long** *id*;

**static** String *name*;

**static** **int** *age*;

**static** String *address*;

Voter(**long** i, String n, **int** ag, String a)

{

*id*=i;

*name*=n;

*age*=ag;

*address*=a;

}

**public** Long getID()

{

**return** *id*;

}

**public** String getName()

{

**return** *name*;

}

**public** **long** getAge()

{

**return** *age*;

}

**public** String getAddress()

{

**return** *address*;

}

**public** **void** setID(Long i)

{

*id*=i;

}

**public** **void** setName(String n)

{

*name*=n;

}

**public** **void** setAge(**int** ag)

{

*age*=ag;

}

**public** **void** setAddress(String a)

{

*address*=a;

}

**public** String toString()

{

String str;

str=String.*format*("ID: %s%n Name: %s%n Age: %s%n Address: %s%n",getID(),getName(),getAge(),getAddress());

**return** str;

}

}

**//Main module**

**package Niranjan;**

**import java.util.ArrayList;**

**import java.util.Scanner;**

**public class VoterDemo {**

**private static Scanner sc;**

**private static ArrayList<Voter> arobj;**

**public static void initialize()**

**{**

**sc=new Scanner(System.in);**

**arobj=new ArrayList<Voter>();**

**}**

**public static Voter getVoterDict()**

**{**

**System.out.println("Enter the following: (ID, Name, Age, Address)=> ");**

**return new Voter(sc.nextLong(),sc.next(),sc.nextInt(),sc.next());**

**}**

**public static void SearchID()**

**{**

**System.out.println("Enter ID Number to Search");**

**long search=sc.nextLong();**

**for(Voter tobj:arobj)**

**{**

**if(tobj.getID()==search)**

**{**

**System.out.println("ID found.");**

**System.out.println(tobj);**

**return;**

**}**

**System.out.println("ID is not found.");**

**}**

**}**

**public static int menuOption()**

**{**

**System.out.println("1.Add Voter Details");**

**System.out.println("2.Search Based on ID");**

**System.out.println("3.Exit");**

**System.out.println("Enter your choice");**

**return sc.nextInt();**

**}**

**public static void main(String[] args)**

**{**

**int ch;**

**initialize();**

**while(true)**

**{**

**ch=menuOption();**

**switch(ch)**

**{**

**case 1:**

**arobj.add(getVoterDict());**

**break;**

**case 2:**

**SearchID();**

**break;**

**case 3:**

**System.exit(0);**

**}**

**}**

**}**

**}**