import java.util.\*;

class Employee

{

int id,exp,dob,sal;

long mobno;

String name,adr,email,gen;

Employee( int id,int exp,int dob,int sal,long mobno,String name,String adr,String email,String gen)

{

this.id=id;

this.exp=exp;

this.dob=dob;

this.sal=sal;

this.mobno=mobno;

this.name=name;

this.adr=adr;

this.email=email;

this.gen=gen;

}

}

public class Main

{

static ArrayList<Employee> arr = new ArrayList<Employee>();

static Scanner in = new Scanner(System.in);

public static void addEmp()

{

System.out.println("Enter the Employee ID : ");

int id=in.nextInt();

System.out.println("Enter the Employee Name : ");

String name=in.nextLine();

System.out.println("Enter the Employee Gender : ");

String gen=in.next();

System.out.println("Enter the Employee Mobileno : ");

long mobno=in.nextLong();

System.out.println("Enter the Date of Birth : ");

int dob=in.nextInt();

System.out.println("Enter the Employee Address : ");

String adr=in.nextLine();

System.out.println("Enter the Employee Email : ");

String email=in.nextLine();

System.out.println("Enter the Employee Experience : ");

int exp=in.nextInt();

System.out.println("Enter the Employee salary : ");

int sal=in.nextInt();

}

public static void viewSin()

{

if(arr.size() == 0)

System.out.println("No Employee Data is Available");

else

{

System.out.print("Enter the id of Employee : ");

int ar1= in.nextInt();

int falg =0;

for(int i=0;i<arr.size();i++)

{

if( arr.get(i).id == ar1)

{

System.out.println("Employee id : "+arr.get(i).id);

System.out.println("Employee name : "+arr.get(i).name);

System.out.println("Employee gender : "+arr.get(i).gen);

System.out.println("Employee mobileno : "+arr.get(i).mobno);

System.out.println("Employee address : "+arr.get(i).adr);

System.out.println("Employee email id : "+arr.get(i).email);

System.out.println("Employee date of birth : "+arr.get(i).dob);

System.out.println("Employee Experience : "+arr.get(i).exp);

System.out.println("Employee salary : "+arr.get(i).sal);

falg =1;

}

}

if(falg == 0)

System.out.print("Employee Not Available\n");

}

}

public static void viewAll()

{

if(arr.size() == 0)

System.out.println("No Employee Data is Available");

else

{

System.out.println("Displaying all Employee details : ");

for(int i=0;i<arr.size();i++)

{

System.out.println("Employee -" +" "+ (i+1));

System.out.print("Employee id : ");

System.out.println(arr.get(i).id);

System.out.print("Employee name : ");

System.out.println(arr.get(i).name );

System.out.print("Employee gender : ");

System.out.println(arr.get(i).gen);

System.out.print("Employee mobile number : ");

System.out.println(arr.get(i).mobno);

System.out.print("Employee address : ");

System.out.println(arr.get(i).adr);

System.out.print("Employee email id : ");

System.out.println(arr.get(i).email);

System.out.print("Employee date of birth : ");

System.out.println(arr.get(i).dob);

System.out.print("Employeee Experience: ");

System.out.println(arr.get(i).exp);

System.out.print("Employee salary : ");

System.out.println(arr.get(i).sal);

System.out.println();

}

}

}

public static void update()

{

if(arr.size() == 0)

System.out.println("No Employee Data is Available");

else

{

System.out.print("Enter the id of Employee to update : ");

int ar2=in.nextInt();

int flag=0;

for(int i=0;i<arr.size();i++)

{

if(arr.get(i).id!=ar2)

{

System.out.println("Employee data not available");

flag=1;

}

}

if(flag==0)

{

System.out.println("Enter address of Employee to update :");

String adr1=in.next();

for(int i=0;i<arr.size();i++)

{

if(arr.get(i).id==ar2)

{

arr.get(i).adr=adr1;

}

}

}

}

}

public static void delete()

{

if(arr.size() == 0)

System.out.println("No Employee Data is Available");

else

{

System.out.print("Enter the id of Employee to delete : ");

int ar3=in.nextInt();

int flag=0;

for(int i=0;i<arr.size();i++)

{

if(arr.get(i).id!=ar3)

{

System.out.println("Employee data not available");

flag=1;

}

}

if(flag==0)

{

for(int i=0;i<arr.size();i++)

{

if(arr.get(i).id==ar3)

{

arr.remove(arr.get(i));

}

}

}

}

}

public static void main(String args[])

{

int choice=0;

while(choice!=6)

{

System.out.println("------------MENU------------");

System.out.println("1.Add Employee Details");

System.out.println("2.View Single Employee Details");

System.out.println("3.View All Employee Details");

System.out.println("4.Update Employee Details");

System.out.println("5.Delete Employee Details");

System.out.println("6.Exit");

int n=in.nextInt();

switch(n)

{

case 1:

addEmp();

break;

case 2:

viewSin();

break;

case 3:

viewAll();

break;

case 4:

update();

break;

case 5:

delete();

break;

case 6:

System.exit(0);

break;

default :

System.out.println("Wrong Choice");

break;

}

}

}

}