import java.util.\*;

import java.lang.\*;

import java.io.\*;

class Employee{

long id;

String name;

long salary;

long mobno;

String email;

String add;

String dob;

String doj;

Employee(long id,String name,long salary,long mobno,String email,String add,String dob,String doj){

this.id=id;

this.name=name;

this.salary=salary;

this.mobno=mobno;

this.email=email;

this.add=add;

this.dob=dob;

this.doj=doj;

}

}

class Dotnet1

{

public static void add(ArrayList<Employee> arr){

Scanner sc=new Scanner(System.in);

System.out.println("Enter id");

long id=sc.nextLong();

System.out.println("Enter name");

String name=sc.nextLine();

name=sc.nextLine();

System.out.println("Enter salary");

Long salary=sc.nextLong();

System.out.println("Enter mobno");

long mobno=sc.nextLong();

System.out.println("Enter email");

String email=sc.nextLine();

email=sc.nextLine();

System.out.println("Enter add");

String add=sc.nextLine();

System.out.println("Enter dob");

String dob=sc.nextLine();

System.out.println("Enter doj");

String doj=sc.nextLine();

Employee e=new Employee(id,name,salary,mobno,email,add,dob,doj);

arr.add(e);

}

public static void print(ArrayList<Employee> arr){

for(Employee e: arr){

System.out.println(e.id+" "+e.name+" "+e.salary+" "+e.mobno+" "+e.email+" "+e.add+" "+e.dob+" "+e.doj);

}

}

public static void printSingle(ArrayList<Employee> arr,int id){

for(Employee e: arr){

if(e.id==id){

System.out.println(e.id+" "+e.name+" "+e.salary+" "+e.mobno+" "+e.email+" "+e.add+" "+e.dob+" "+e.doj);

}

}

}

public static void update(ArrayList<Employee> arr,int id){

Scanner sc=new Scanner(System.in);

System.out.println("Enter the address to be updated");

String add=sc.nextLine();

for(Employee e: arr){

if(e.id==id){

e.add=add;

}

}

}

public static void delete(ArrayList<Employee> arr,int id){

for(Employee e: arr){

if(e.id==id){

arr.remove(e);

}

}

}

public static void main (String[] args) throws java.lang.Exception

{

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

Scanner sc=new Scanner(System.in);

while(true){

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");

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

int a=sc.nextInt();

if(a==1){

System.out.println("Enter new employee details");

add(arr);

System.out.println("Employee details added successfully");

}

else if(a==2){

System.out.println("Enter employee id");

int b=sc.nextInt();

printSingle(arr,b);

}

else if(a==3){

print(arr);

}

else if(a==4){

System.out.println("Enter id of employee");

int b=sc.nextInt();

update(arr,b);

}

else if(a==5){

System.out.println("Enter employee id to be deleted");

int b=sc.nextInt();

delete(arr,b);

}

else{

break;

}

}

}

}