package com.exercise.eclipse.ide.first;

import java.util.ArrayList;

import java.util.Scanner;

import java.util.Iterator;

import java.util.Vector;

import java.util.Comparator;

import java.util.Collections;

public class MyCode

{

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

{

Vector v = new Vector();

Scanner sc = new Scanner(System.in);

System.out.println("\n1.Add\n2.Delete\n3.Search\n4.Sort by name\n5.Compare two employee's salary\n6.Display\n");

while(true)

{

System.out.println("\nEnter your choice:");

int ch = Integer.parseInt(sc.nextLine());

switch(ch)

{

case 1:System.out.println("\nEnter employee name:");

String n = sc.nextLine();

System.out.println("\nEnter employee gender:");

String g = sc.nextLine();

System.out.println("\nEnter employee job:");

String j = sc.nextLine();

System.out.println("\nEnter employee company:");

String c= sc.nextLine();

System.out.println("\nEnter employee id:");

int p = Integer.parseInt(sc.nextLine());

System.out.println("\nEnter employee salary:");

int s = Integer.parseInt(sc.nextLine());

v.add(new Employee(n,g,j,c,p,s));

break;

case 2:System.out.println("Enter index of element to remove [ 0 to n-1 ]:");

int i = Integer.parseInt(sc.nextLine());

v.remove(i);

break;

case 3:System.out.println("\n1.Name\n2.ID\n");

while(true)

{

System.out.println("\nEnter your choice:");

int k= Integer.parseInt(sc.nextLine());

switch(k)

{

case 1:Iterator<Employee> itr1=v.iterator();

System.out.println("Search by Name:");

String call = sc.nextLine();

while(itr1.hasNext())

{

Employee st=(Employee)itr1.next();

if(call==st.name)

{

System.out.println("\n"+st.name+" "+st.gender+" "+st.job+" "+st.company+" "+st.id+" "+st.sal);

break;

}

}

break;

case 2:Iterator<Employee> itr2=v.iterator();

System.out.println("Search by id:");

int roll=Integer.parseInt(sc.nextLine());

while(itr2.hasNext())

{

Employee st=(Employee)itr2.next();

if(roll==st.id)

{

System.out.println("\n"+st.name+" "+st.gender+" "+st.job+" "+st.company+" "+st.id+" "+st.sal);

break;

}

}

break;

}

}

case 4:System.out.println("Sort by name");

Collections.sort(v, new NameComparator());

Iterator itr4 = v.iterator();

while(itr4.hasNext())

{

Employee st=(Employee)itr4.next();

System.out.println("\n"+st.name+" "+st.gender+" "+st.job+" "+st.company+" "+st.id+" "+st.sal);

}

break;

case 5:Iterator<Employee> itr2=v.iterator();

System.out.println("Pick employee one by id:");

int e1=Integer.parseInt(sc.nextLine());

System.out.println("Pick employee two by id:");

int e2=Integer.parseInt(sc.nextLine());

while(itr2.hasNext())

{

Employee st=(Employee)itr2.next();

if(e1==st.id)

{

e1 = st.id;

}

if(e2==st.id)

{

e2 = st.id;

}

}

if (e1 < e2)

{

System.out.println("Salary of employee TWO is greater than salary of employee ONE");

}

else

{

System.out.println("Salary of employee TWO is less than salary of employee ONE");

}

break;

case 6:Iterator<Employee>itr=v.iterator();

System.out.println("Name Gender Job Company ID Salary");

while(itr.hasNext())

{

Employee st=(Employee)itr.next();

System.out.println("\n"+st.name+" "+st.gender+" "+st.job+" "+st.company+" "+st.id+" "+st.sal);

}

break;

}

}

}

}

class Employee

{

String name, gender, job, company;

int id, sal;

Employee(String name, String gender, String job, String company, int id, int sal)

{

this.name=name;

this.gender=gender;

this.job=job;

this.company=company;

this.id=id;

this.sal=sal;

}

}

In new PACKAGE, used name comparator...

**package** com.exercise.eclipse.ide.first;

**import** java.util.Comparator;

**public** **class** NameComparator **implements** Comparator

{

**public** **int** compare(Object o1, Object o2)

{

Employee e1=(Employee)o1;

Employee e2=(Employee)o2;

**return** e1.name.compareTo(e2.name);

}

}