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| 1. WAQ to display second highest salary in HR schema. |

1. Java ArrayList

import java.util.ArrayList;

import java.util.Scanner;

public class Java\_ArrayList {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

ArrayList<ArrayList<Integer> > arr =

new ArrayList<ArrayList<Integer> >(n);

for(int i=0;i<n;i++) {

int num = sc.nextInt();

ArrayList<Integer> al= new ArrayList<Integer>();

for(int k=0;k<num;k++) {

al.add(sc.nextInt());

}

arr.add(al);

}

System.out.println("The output of the program is");

int k = sc.nextInt();

for(int i=0;i<k;i++) {

int p = sc.nextInt()-1;

int q = sc.nextInt()-1;

if(q>(arr.get(p).size()) - 1) {

System.out.println("ERROR!");

}

else {

System.out.println(arr.get(p).get(q));

}

}

}

} }

2.Java List

import java.util.ArrayList;

import java.util.Iterator;

import java.util.List;

import java.util.Scanner;

public class Java\_List {

public static void main(String[] args) {

List<Integer> l1 = new ArrayList<>();

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

for(int i=0;i<n;i++) {

l1.add(sc.nextInt());

}

int a = sc.nextInt();

for(int i=1;i<=a;i++) {

String b = sc.next();

if(b.equals("Insert")) {

int p = sc.nextInt();

int q = sc.nextInt();

l1.add(p,q);

}

else {

int z = sc.nextInt();

l1.remove(z);

}

}

Iterator<Integer> iterate = l1.iterator();

while(iterate.hasNext()) {

System.out.print(iterate.next()+" ");

}

}

}

3.Java Map

import java.util.HashMap;

import java.util.Scanner;

public class Java\_Map {

public static void main(String[] args) {

// TODO Auto-generated method stub

HashMap<String, Integer> h = new HashMap<>();

Scanner sc = new Scanner(System.in);

int n=sc.nextInt();

sc.nextLine();

for(int i=0;i<n;i++)

{

String name=sc.nextLine();

int phone=sc.nextInt();

sc.nextLine();

h.put(name,phone);

}

while(sc.hasNext())

{

String s=sc.nextLine();

try

{

int out=h.get(s);

System.out.println(s+"="+out);

}

catch(Exception e)

{

System.out.println("Not found");

}

}

}

}

SQL QUERIES;-

1.WAQ to display the second highest salary in HR schema

Text

Description automatically generated

1. WAQ to display name of employee who is earning maximum in his/her department.

Text

Description automatically generated

1. WAQ to display emplyees count who are working from same location.

Text

Description automatically generated

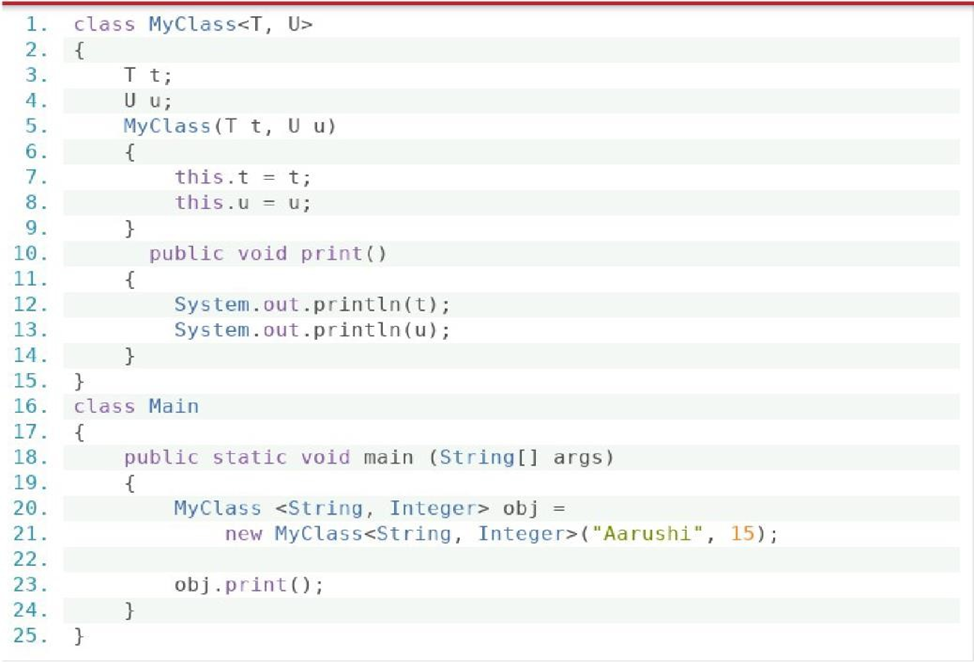
1. WAQ to display number of employees joined year wise.

Text

Description automatically generated

1. WAQ to top 2 earning employee name and salary in each department.

MCQS



Output:

Aarushi 15

It will call print method then, String is taken as t and Integer is taken as u.

**Graphical user interface, text, application, email

Description automatically generated**

Output:

Set 1: [D,C,B,A]

Set 2: [E]

Set 3: [A,B,C,D,E]

Set 4: [A,B,C]

# **Of :** Creates an enum set initially containing the specified element.

**Complement.Of:** Creates an enum set with the same element type as the specified enum set initially it contains the elements which do not exist in the specified element.

**AllOf:** Creates an enum set containing all of the elements in the specified element type.

**Range:** Creates an enum set initially containing all of the elements in the range defined by the two specified endpoints.

**Table

Description automatically generated with medium confidence**

Output:

Error,2

As due to infinite recursion it will full up the stack due to which compiler will show stack Overflow Error.

Text

Description automatically generated

Answer:

You cannot specify which thread will get notified.

The event listener should hand off long tasks to another thread. Multithreading will help into multitasking and prevent the program to freeze.

Text

Description automatically generated

The event listener should hand off long tasks to another thread. Multithreading will help into multitasking and prevent the program to freeze.

Table

Description automatically generated with medium confidence

Output: 1

2

3

1

Graphical user interface, application

Description automatically generated

Output:

The program does not compile because this cannot be referenced in a static method.