

Assignment

```
import java.util.Arrays;

import java.util.Scanner;

public class High {

    public static void main(String[] args) {

        Scanner scan=new Scanner(System.in);

        System.out.println("Enter the number of Jobs");

        //no of jobs in factory

        int j=scan.nextInt();

        Job[]jobs=new Job[j];

        int earn[]=new int[j];

        System.out.println("Enter job start time, end time, and earnings");

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

            //starting time

            int a=scan.nextInt();

            //end time

            int b=scan.nextInt();

            //earnings

            int c=scan.nextInt();

            earn[i]=c;
```

```
jobs[i]=new Job(a,b,c);  
  
}  
  
Arrays.sort(earn);  
  
int sum=0;  
  
for(int i=0;i<earn.length-1;i++) {  
  
sum+=earn[i];  
  
}  
  
int count=0;  
  
int i1=0;  
  
for(int j1=0;j1<earn.length;j1++) {  
  
if(earn[i1]==earn[j1]) {  
  
count+=1;  
  
}  
  
}  
  
if(count==j) {  
  
System.out.println("The number of tasks and earnings available for  
others");  
  
System.out.println("Task: "+1);  
  
System.out.println("Earnings: "+earn[0]);  
  
}  
  
else {
```

```
System.out.println("The number of tasks and earnings available for others");
```

```
System.out.println("Task: "+(j-1));
```

```
System.out.println("Earnings: "+sum);
```

```
}
```

```
}
```

```
static class Job{
```

```
int startingTime;
```

```
int endingTime;
```

```
int earning;
```

```
public Job(int startingTime, int endingTime, int earning) {
```

```
this.startingTime = startingTime;
```

```
this.endingTime = endingTime;
```

```
this.earning = earning;
```

```
}
```

```
}
```

```
}
```

Sample

Input

01:

Enter the number of Jobs

3

Enter job start time, end time, and earnings

0900

1030

100
1000
1200
500
1100
1200
300
Sample
Output: 1

The number of tasks and earnings available for others
Task: 2
Earnings: 400

Sample Input: 2
Enter the number of Jobs
3
Enter job start time, end time, and earnings
0900
1000
250
0945
1200
550
1130
1500
150

Sample Output: 2
The number of tasks and earnings available for others
Task: 2
Earnings: 400

Sample Input:3
Enter the number of Jobs
3
Enter job start time, end time, and earnings
0900

1030

100

1000

1200

100

1100

1200

100

Sample Output: 3

The number of tasks and earnings available for others

Task: 1

Earnings: 100