

# Competitive Programming

## Week-1 Assignment-1

### Assignment 1: Maximum Non-Overlapping Meetings (Greedy)

#### Code:

```
import java.util.*;

public class Main
{
    public static void main(String[] args)
    {
        Scanner sc=new Scanner(System.in);

        int test=sc.nextInt();

        for(int t=0;t<test;t++)
        {
            int n=sc.nextInt();

            int s[]=new int[n];

            int e[]=new int[n];

            for(int i=0;i<n;i++)
            {
                s[i]=sc.nextInt();

                e[i]=sc.nextInt();
            }

            for(int i=0;i<n;i++)
            {
                for(int j=i+1;j<n;j++)
                {
```

```

        if(e[i]>e[j])
        {
            int temp=e[i];
            e[i]=e[j];
            e[j]=temp;

            int t1=s[i];
            s[i]=s[j];
            s[j]=t1;
        }
    }
}

int c=1;
int lastEnd=e[0];
for(int i=1;i<n;i++)
{
    if(s[i]>=lastEnd)
    {
        c++;
        lastEnd=e[i];
    }
}

System.out.println(c);
}
}
}

```

online gdb x ActivitySelect x chatgpt - Se x Maximum Pr x convert the j x Java to PDF x github - Se x Competitive! x Search - Mic x +

onlinegdb.com/edit/1013aOmolu#

OnlineGDB  
online compiler and debugger for c/c++

Welcome, 2303A51352

ActivitySelection

Create New Project

My Projects

Classroom new

Learn Programming

Programming Questions

Upgrade

Logout

auth0

About • FAQ • Blog • Terms of Use •  
Contact Us • GDB Tutorial • Credits •  
Privacy

© 2016 - 2026 GDB Online

Run Debug Stop Share Save Beautify

Language Java

```
1 import java.util.*;
2 public class Main
3 {
4     public static void main(String[] args)
5     {
6         Scanner sc = new Scanner(System.in);
7         int test = sc.nextInt();
8         for (int t = 0; t < test; t++)
9         {
10            int n = sc.nextInt();
11            int s[] = new int[n];
12            int e[] = new int[n];
13            for (int i = 0; i < n; i++)
14            {
15                s[i] = sc.nextInt();
16                e[i] = sc.nextInt();
17            }
18            for (int i = 0; i < n; i++)
19            {
20                for (int j = i + 1; j < n; j++)
21                {
22                    if (e[i] < e[j])
23                    {
24                        int temp = e[i];
25                        e[i] = e[j];
26                        e[j] = temp;
27                    }
28                    int t1 = s[i];
29                    s[i] = s[j];
30                    s[j] = t1;
31                }
32            }
33            int c = 1;
34            int lastEnd = e[0];
35            for (int i = 1; i < n; i++)
36            {
37                if (s[i] > lastEnd)
38                {
39                    c++;
40                    lastEnd = e[i];
41                }
42            }
43            System.out.println(c);
44        }
45    }
46 }
```

27°C Sunny 12:02 28-01-2026

online gdb x ActivitySelect x chatgpt - Se x Maximum Pr x convert the j x Java to PDF x github - Se x Competitive! x Search - Mic x +

onlinegdb.com/edit/1013aOmolu#

OnlineGDB  
online compiler and debugger for c/c++

Welcome, 2303A51352

ActivitySelection

Create New Project

My Projects

Classroom new

Learn Programming

Programming Questions

Upgrade

Logout

auth0

About • FAQ • Blog • Terms of Use •  
Contact Us • GDB Tutorial • Credits •  
Privacy

© 2016 - 2026 GDB Online

Run Debug Stop Share Save Beautify

Language Java

```
27 e[j] = temp;
28
29 int t1 = s[i];
30 s[i] = s[j];
31 s[j] = t1;
32 }
33 }
34
35 int c = 1;
36 int lastEnd = e[0];
37 for (int i = 1; i < n; i++)
38 {
39     if (s[i] > lastEnd)
40     {
41         c++;
42         lastEnd = e[i];
43     }
44 }
45
46 System.out.println(c);
47 }
48 }
49
50 }
```

input

```
1
3
2 4
3 5
2
```

...Program finished with exit code 0

27°C Sunny 12:02 28-01-2026