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Problem Submissions Leaderboard Discussions

Given an array of jobs where every job has a deadline and associated profit if the job is finished before the deadline. It is also given that every job takes a single unit of time, so the minimum possible deadline for any job is 1. Maximize the total profit if only one job can be scheduled at a time.

Input Format

4

4 20

1 10

1 40

1 30

Output Format

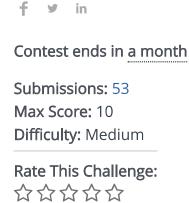
60

Sample Input 0

```
4
4 20
1 10
1 40
1 30
```

Sample Output 0

60



More

```
public static void main(String[] args) {
    Scanner sc = new Scanner(System.in);
    int n = sc.nextInt();
    int day[] = new int[n];
```

```
10 ▼
             int profit[] = new int[n];
11
             int max=Integer.MIN_VALUE;
             for (int i = 0; i < n; i++) {
12 ▼
13 ▼
                 day[i] = sc.nextInt();
                 profit[i] = sc.nextInt();
14 ▼
                 max=Math.max(max,day[i]);
15 ▼
16
             }
17
18 ▼
             for(int i=0;i<n;i++){</pre>
                 for(int j=i+1;j<n;j++){</pre>
19 ▼
                      if(profit[i]<profit[j]){</pre>
20 ▼
                          int temp=profit[i];
21 ▼
22 ▼
                          profit[i]=profit[j];
23 🔻
                          profit[j]=temp;
24
25 🔻
                          temp=day[i];
                          day[i]=day[j];
26 ▼
27 ▼
                          day[j]=temp;
28
                      }
29
                 }
30
31
              int tpro=0;
             int arr[]=new int[max+1];
32 ▼
33
34 ▼
             for(int i=0;i<n;i++){</pre>
                 for(int j=day[i];j>=1;j--){
35 ▼
                      if(arr[j]==0){
36 ▼
                          arr[j]=profit[i];
37 ▼
38
                          break;
39
                      }
40
                 }
41
             for(int i=0;i<arr.length;i++){</pre>
42 v
43 ▼
                 tpro+=arr[i];
44
             System.out.print(tpro);
45
46
        }
47 }
```

48		Line: 1 Col: 1
<u>upload Code as File</u> <u>Test against custom input</u>	Run Code	Submit Code

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