Code:

import java.util.\*;

class Job {

int startTime;

int endTime;

int profit;

Job(int start, int end, int profit) {

this.startTime = start;

this.endTime = end;

this.profit = profit;

}

}

class JobSelection {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

// Input number of jobs

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

int n = sc.nextInt();

// Create an array of jobs

Job[] jobs = new Job[n];

// Input start time, end time, and profit for each job

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

int start = sc.nextInt();

int end = sc.nextInt();

int profit = sc.nextInt();

jobs[i] = new Job(start, end, profit);

}

// Sort the jobs based on end time

Arrays.sort(jobs, new Comparator<Job>() {

@Override

public int compare(Job j1, Job j2) {

return j1.endTime - j2.endTime;

}

});

// Initialize an array to store maximum profit for each job

int[] dp = new int[n];

dp[0] = jobs[0].profit;

// Fill dp array in bottom up manner

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

// Initialize maximum profit for current job

int maxProfit = jobs[i].profit;

// Check for all previous jobs and select the one that is not conflicting

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

if (jobs[j].endTime <= jobs[i].startTime) {

maxProfit = Math.max(maxProfit, jobs[i].profit + dp[j]);

}

}

dp[i] = maxProfit;

}

// Find the maximum profit from dp array

int maxProfit = 0;

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

maxProfit = Math.max(maxProfit, dp[i]);

}

// Find the number of jobs left and total earnings for other employees

int task = 0;

int earnings = 0;

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

if (dp[i] != maxProfit) {

task++;

earnings += jobs[i].profit;

}

}

// Print the number of tasks and earnings available for others

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

System.out.println("Task: " + task);

sc.nextLine();

System.out.println("Earnings: " + earnings);

}

}

OUTPUT:

java -cp /tmp/Mb4VUMMD1V JobSelection

Enter the number of Jobs

3

0900

1030

100

1000

1200

500

1100

1200

300

The number of tasks and earnings available for others

Task: 2

Earnings: 400