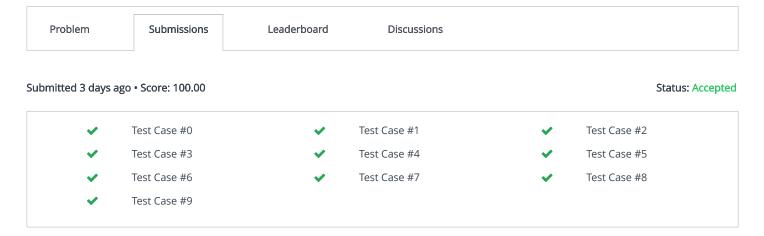
Apply

All Contests > Fundamentals of Programming > Arrays 2D - Matrix Multiplication

Arrays 2D - Matrix Multiplication



Submitted Code

```
Language: Java 8
                                                                                                     P Open in editor
 1 import java.io.*;
 2 import java.util.*;
 3
 4 public class Solution {
 5
 6
       public static void main(String[] args) {
 7
            Scanner sc=new Scanner(System.in);
 8
            int r=sc.nextInt();
 9
            int c=sc.nextInt();
10
            int[][] mat1=new int[r][c];
11
            int[][] mat2=new int[r][c];
12
            for (int i=0;i<r;i++)
13
                for(int j=0;j<c;j++)</pre>
14
                     mat1[i][j]=sc.nextInt();
            for (int i=0;i<r;i++)</pre>
15
16
                for(int j=0;j<c;j++)</pre>
17
                     mat2[i][j]=sc.nextInt();
18
            int[][] mat2T=new int[r][c];
19
            for(int i=0;i<r;i++)</pre>
                 for(int j=0;j<c;j++)</pre>
20
21
                     mat2T[j][i]=mat2[i][j];
22
            int[][] result=new int[r][c];
23
            for(int i=0;i<r;i++){</pre>
24
                for(int j=0;j<c;j++){</pre>
25
                     int sum=0;
26
            for(int k=0;k<r;k++){</pre>
27
                sum+=mat1[i][k]*mat2T[j][k];
28
29
            result[i][j]=sum;
30
            }
31
       }
```

Interview Prep | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy |