



```
import java.util. *;
public class matrix
public static void main (String args[])
   int[][] A- now int[30][30];
   int[][] B- new int[30][30];
   int[][] S- new int[30][30];
   int r, c, i, j, k;
   Scanner sc - new Scanner (System.in);
   System.out.println("enter the no. of rows; \n");
   r=sc.next.Tnt.();
   System.out.println("enter the no. of columns; \n");
   c=sc.next.Int.();
   System.out.println("enter the first matrix; \n");
   for (i-0; i<r; i++)
      for (j-0; j<c; j++)
         Λ[i][j]-sc.nextInt();
   System.out.println("enter the second matrix;\n");
   for(i-0;i<r;i++)
      for(j-0;j<c;j++)
         B[i][j]-sc.nextInt();
   System.out.println("Resultant matrix-\n");
   for(i-0;i<r;i++)
      for(j-0;j<c;j++)
         S[i][j]-0;
         for (k=0; k<r; k++)
             S[i][j]+-\Lambda[i][j]*B[k][j];
         System.out.println(S[i][j]+"\t");
System.out.println("\n");
```