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**Batch: RMCA B**

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**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 4**

**Aim**

To read a matrix from the console and check whether it is symmetric or not.

**Procedure**

import java.util.\*;

public class Matsy {

public static void main(String[] args) {

Scanner s=new Scanner(System.in);

int r,c;

System.out.println("enter no of rows and columns");

r=s.nextInt();

c=s.nextInt();

int a[][]=new int[r][c];

int b[][]=new int[r][c];

System.out.println("enter the matrix elements");

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

for(int j=0;j<c;j++)

{

a[i][j]=s.nextInt();

}

}

if(r==c) {

for(int i=0;i<r;i++)

{

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

b[i][j]=a[j][i];

}

}

}

int x=0;

for(int i=0;i<r;i++)

for(int j=0;j<c;j++)

if(a[i][j]==b[i][j])

x=1;

if(x==1)

System.out.println("yes");

else

System.out.println("No");

}

}

OUTPUT

