**Find the addition of two matrices and display the resultant matrix.**

import java.util.Scanner;

class matrix{

public static void main(String[] args)

{

Scanner sc=new Scanner(System.in);

System.out.println("Enter rows");

int r=sc.nextInt();

System.out.println("Enter cols");

int c=sc.nextInt();

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

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

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

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

{

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

{

System.out.println("matrix A:enter row "+(i+1)+" column "+(j+1)+ "element");

A[i][j]=sc.nextInt();

}

}

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

{

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

{

System.out.println("matric B: enter row "+(i+1)+" column "+(j+1)+ "element");

B[i][j]=sc.nextInt();

}

}

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

{

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

{

C[i][j]=A[i][j]+B[i][j];

}

}

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

{

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

{

System.out.print(C[i][j]+" ");

}

System.out.println();

}

}

}

INPUT/OUTPUT:

Enter rows

2

Enter cols

2

matrix A:enter row 1 column 1element

1

matrix A:enter row 1 column 2element

4

matrix A:enter row 2 column 1element

2

matrix A:enter row 2 column 2element

3

matric B: enter row 1 column 1element

2

matric B: enter row 1 column 2element

1

matric B: enter row 2 column 1element

2

matric B: enter row 2 column 2element

4

3 5

4 7