# Name: Soumya Vinod Mudalgi

# Roll No:24 Experiment no: 05

## Implement java programs based on arrays Code:

import java.util.Scanner; class array

{

public static void main(String args[])

{

int A[][]=new int[2][2];

System.out.println("Enter the matrix value for matrix A:"); Scanner p=new Scanner(System.in);

for(int i=0;i<2;i++)

{

for(int j=0;j<2;j++){ A[i][j]=p.nextInt();

}

}

System.out.println("Entered value for matrix A:"); for(int i=0;i<2;i++)

{

for(int j=0;j<2;j++)

{

System.out.println(A[i][j]+"\t");

}

System.out.println("");

}

int b[][]=new int[2][2];

System.out.println("Enter the value for matrix B:"); for(int i=0;i<2;i++)

{

for(int j=0;j<2;j++)

{

b[i][j]=p.nextInt();

}

}

System.out.println("Entered value for matrix B:"); for(int i=0;i<2;i++)

{

for(int j=0;j<2;j++)

{

System.out.println(b[i][j]+"\t ");

}

System.out.println("");

}

int c[][]=new int [2][2];

System.out.println("Addition of matrix A & B is:"); for(int i=0;i<2;i++)

{

for(int j=0;j<2;j++)

{

c[i][j]=A[i][j]+b[i][j];

System.out.println(c[i][j]+"\t");

}

System.out.println("");

}

}

}

## Output:

