**Experiment No: 6**

**Program:**

import java.util.Scanner;

public class Matrix{

public static void main(String[] args){

int a[][]=new int[2][2];

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

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

Scanner r= new Scanner(System.in);

System.out.println("Enter First Matrix Data");

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

{

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

{

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

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

}

System.out.print("\n");

}

System.out.println("Enter Second Matrix Data");

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

{

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

{

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

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

}

System.out.print("\n");

}

System.out.println("Sum of two Matrix");

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

{

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

{

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

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

}

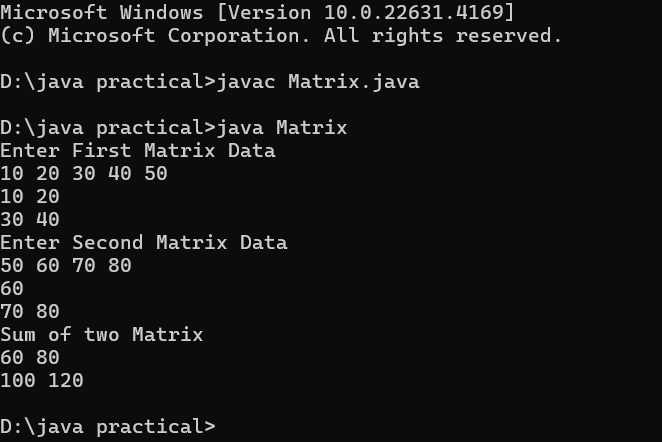
System.out.print("\n");

}

}

}

**OUTPUT:**

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