

Institute of Computer Technology  
B. Tech Computer Science and Engineering  
Subject: OOP (2CSE303)

**PRACTICAL-9**

**AIM: - Rehana has her mathematics assignment deadline today, where she is asked to compute the addition of following values [12,24,1,4] and [2,12,13,21]. Design a java program to help her complete the assignment through a java program implementation.**

**SOLUTION**

```
import java.util.*;
public class Prac9 {
    public static void main(String[] args)
    {
        int i,j=0;
        Scanner yash = new Scanner(System.in);
        System.out.println("Enter number rows for 2D array: ");
        int a=yash.nextInt();
        System.out.println("Enter number columns for 2D array: ");
        int b=yash.nextInt();

        int array1[][]=new int[a][b];
        int array2[][]=new int[a][b];
        int sum[][]=new int[a][b];

        System.out.println("Input elements of matrix 1: -");
        for(i=0;i<a;i++)
        {
            for(j=0;j<b;j++)
            {
                array1[i][j]=yash.nextInt();
            }
        }

        System.out.println("Input elements of matrix 2: -");
        for(i=0;i<a;i++)
        {
            for(j=0;j<b;j++)
            {
                array2[i][j]=yash.nextInt();
            }
        }
    }
}
```

```

        for(i=0;i<a;i++)
        {
            for(j=0;j<b;j++)
            {
                sum[i][j]=array1[i][j]+array2[i][j];
            }
        }

        System.out.println("---- | OUTPUT | ----");
        System.out.println("Sum of the matrices: -");
        for(i=0;i<a;i++)
        {
            for(j=0;j<b;j++)
            {
                System.out.println(sum[i][j]+"\\t");
            }
            System.out.println("\\n");
        }
    }
}

```

**OUTPUT** (formatting for matrix is there in code but maybe its because of compiler that it is not showing output in matrix format)

```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL
Enter number columns for 2D array:
4
Input elements of matrix 1: -
12
24
1
4
Input elements of matrix 2: -
2
12
13
21
----| OUTPUT |----
Sum of the matrices: -
14
36
14
25

PS C:\Users\admin\Google Drive\B-Tech\SEM-3\OOP\OOP_Practicals\Prac-9>

```

//My netbeans is not working so I am doing practicals in VS code.