

```

#include<stdio.h>
int main()
{
    int n,m;
    printf("Enter The Dimension of Square Matrix A: \n");
    scanf("%d",&n);
    printf("\nEnter The Dimension of Square Matrix B: \n");
    scanf("%d",&m);
    if(n!=m)
    {
        printf("\nMatrix Addition and Substraction Not Possible.");
    }
    else
    {
        int i,j,a[n][n],b[n][n],c[n][n],d[n][n];
        printf("\nEnter Matrix A: \n");
        for(i=0;i<n;i++)
        {
            for(j=0;j<n;j++)
            {
                scanf("%d",&a[i][j]);
            }
            printf("\n");
        }
        printf("\nEnter Matrix B: \n");
        for(i=0;i<n;i++)
        {
            for(j=0;j<n;j++)
            {
                scanf("%d",&b[i][j]);
            }
            printf("\n");
        }
        for(i=0;i<n;i++)
        {
            for(j=0;j<n;j++)
            {
                c[i][j]=a[i][j]+b[i][j];
                d[i][j]=a[i][j]-b[i][j];
            }
        }
        printf("\nAddition A+B: \n");
        for(i=0;i<n;i++)
        {
            for(j=0;j<n;j++)
            {
                printf(" %d",c[i][j]);
            }
            printf("\n");
        }
        printf("\nSubstraction A-B: \n");
        for(i=0;i<n;i++)
        {
            for(j=0;j<n;j++)
            {
                printf(" %d",d[i][j]);
            }
            printf("\n");
        }
    }
}

```

```

4   int n,m;
5   printf("Enter The Dimension of Square Matrix A: \n");
6   scanf("%d",&n);
7   printf("\nEnter The Dimension of Square Matrix B: \n");
8   scanf("%d",&m);
9   if(n!=m)
10  {
11      printf("\nMatrix Addition and Substraction Not Possible.");
12  }
13  else
14  {
15      int i,j,a[n][n],b[n][n],c[n][n],d[n][n];
16      printf("\nEnter Matrix A: \n");
17      for(i=0;i<n;i++)
18      {
19          for(j=0;j<n;j++)
20          {
21              scanf("%d",&a[i][j]);
22          }
23          printf("\n");
24      }
25      printf("\nEnter Matrix B: \n");
26      for(i=0;i<n;i++)
27      {
28          for(j=0;j<n;j++)
29          {
30              scanf("%d",&b[i][j]);
31          }
32          printf("\n");

```

61.0

Open File

Custom Input

```

2 2
2 2
1 2
3 4
4 5
6 7

```

**Status** Successfully executed    **Date** 2020-06-11 11:20:12    **Time** 0 sec

**Input**

```

2 2
2 2
1 2
3 4
4 5
6 7

```

**Output**

```

Addition A+B:
5 6
5 7

```

```

Substraction A-B:
-1 -2
-3 -3

```