

Write a program to implement addition & subtraction of matrix.

### Algorithm

step 1: start

step 2: Input row, col

step 3: Display enter the first matrix

```
for(i=0; i<row; i++)
```

```
for(j=0; j<col; j++)
```

```
Input a[i][j]
```

step 4: Display enter the second matrix

```
for(i=0; i<row; i++)
```

```
for(j=0; j<col; j++)
```

```
Input b[i][j]
```

step 5: Display addition of matrix

```
for(i=0; i<row; i++)
```

```
for(j=0; j<col; j++)
```

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

step 6: for(i=0; i<row; i++)

```
for(j=0; j<col; j++)
```

```
output c[i][j]
```

step 7: Display subtraction of matrix

```
for(i=0; i<row; i++)
```

```
for(j=0; j<col; j++)
```

```
d[i][j] = a[i][j] - b[i][j]
```

step 8: for(i=0; i<row; i++)

```
for(j=0; j<col; j++)
```

```
output d[i][j]
```

step 9: stop.

Flowchart :

