

C program to implement matrix addition & subtraction

Algorithm:

1. start

2. input r & c

3. repeat through step 3

for ($i=0; i < r; i++$)

for ($j=0; j < c; j++$)

Input $a[i][j]$

4. repeat through step 4

for ($i=0; i < r; i++$)

for ($j=0; j < c; j++$)

Input $b[i][j]$

5. Repeat through step 5

for ($i=0; i < r; i++$)

s.1. for ($j=0; j < c; j++$)

s.1 a) $m[i][j] = a[i][j] + b[i][j]$

s.1 b) Print $m[i][j]$

s.2 Print $\backslash n$

6. Repeat through step 6

for ($i=0; i < r; i++$)

6.1 for ($j=0; j < c; j++$)

6.1 a) $m[i][j] = a[i][j] - b[i][j]$

6.2 b) Print $m[i][j]$

6.2. Print $\backslash n$

7. stop

Flowchart

