

GAYATHRI

4AL19CS035

Algorithm

- Step 1: Start
- Step 2: Input m, n
- Step 3: Display Enter the first matrix
for ($i=0; i < m; i++$)
for ($j=0; j < n; j++$)
Input $m1[i][j]$
- Step 4: Display Enter the second matrix
for ($i=0; i < m; i++$)
for ($j=0; j < n; j++$)
Input $m2[i][j]$
- Step 5: Display Addition of matrix
for ($i=0; i < m; i++$)
for ($j=0; j < n; j++$)
 $m3[i][j] = m1[i][j] + m2[i][j]$
- Step 6: for ($i=0; i < m; i++$)
for ($j=0; j < n; j++$)
output $m3[i][j]$
- Step 7: Display Subtraction of matrix
for ($i=0; i < m; i++$)
for ($j=0; j < n; j++$)
 $m3[i][j] = m1[i][j] - m2[i][j]$
- Step 8: for ($i=0; i < m; i++$)
for ($j=0; j < n; j++$)
output $m3[i][j]$
- Step 9: Stop

Flowchart



