**MATRIX ADDITION AND SUBTRACTION**

#include <stdio.h>

#include<conio.h>

void main()

{

int m, n, c, d, first[10][10], second[10][10], sum[10][10], diff[10][10];

clrscr();

printf("Enter the number of rows and columns of matrix\n");

scanf("%d%d", &m, &n);

printf("Enter the elements of first matrix\n");

for (c = 0; c < m; c++)

for (d = 0; d < n; d++)

scanf("%d", &first[c][d]);

printf("Enter the elements of second matrix\n");

for (c = 0; c < m; c++)

for (d = 0 ; d < n; d++)

scanf("%d", &second[c][d]);

printf("Sum of entered matrices:-\n");

for (c = 0; c < m; c++) {

for (d = 0 ; d < n; d++) {

sum[c][d] = first[c][d] + second[c][d];

printf("%d\t", sum[c][d]);

}

printf("\n");

}

printf("Difference of entered matrices:-\n");

for (c = 0; c < m; c++) {

for (d = 0 ; d < n; d++) {

diff[c][d] = first[c][d] - second[c][d];

printf("%d\t", diff[c][d]);

}

printf("\n");

}

getch();

}