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1  /*
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5   Roll no- 23
6   Expt7-Task2
7   Module2: Arrays2D
8   Aim: WAP to calculate sum of two matrix.
9   */
10 #include<stdio.h>
11 int main() {
12     int rows, cols, i, j;
13     printf("\t\t***Add Arrays***\n\n");
14     printf("Enter Array Size (row, column):");
15     scanf("%d %d", &rows, &cols);
16     int arr_a[rows][cols], arr_b[rows][cols], sum[rows][cols];
17     printf("Enter First Array Elements:\n");
18     for(i=0; i<rows; i++) {
19         for(j=0; j<cols; j++) {
20             printf("%d %d:", i, j);
21             scanf("%d", &arr_a[i][j]);
22         }
23     }
24     printf("\n");
25     printf("Enter Second Array Elements:\n");
26     for(i=0; i<rows; i++) {
27         for(j=0; j<cols; j++) {
28             printf("%d %d:", i, j);
29             scanf("%d", &arr_b[i][j]);
30         }
31     }
32     printf("\n");
33     printf("Sum of both Arrays:\n");
34     for(i=0; i<rows; i++) {
35         for(j=0; j<cols; j++) {
36             sum[i][j] = arr_a[i][j] + arr_b[i][j];
37             printf("%d", sum[i][j]);
38         }
39     }
40     printf("\n");
41     return 0;
}
```