DS 2:

#include <stdio.h>

int main()

{

int r, c, a[3][2], b[3][2], sum[3][2], i, j;

printf("Enter the number of rows : ");

scanf("%d", &r);

printf("Enter the number of columns : ");

scanf("%d", &c);

printf("Enter elements of 1st matrix:\n");

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

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

printf("Enter element a%d%d: ", i + 1, j + 1);

scanf("%d", &a[i][j]);

}

printf("Enter elements of 2nd matrix:\n");

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

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

printf("Enter element b%d%d: ", i + 1, j + 1);

scanf("%d", &b[i][j]);

}

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

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

{

sum[i][j] = a[i][j] + b[i][j];

}

printf("\nSum of two matrices: \n");

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

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

printf("%d ", sum[i][j]);

if (j == c - 1) {

printf("\n\n");

}

}

return 0;

}

OUTPUT:

