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DIV:A//
#include <stdio.h>
int main() {
int arr1[50][50], brr1[50][50], crr1[50][50], i, j, n;
printf("\n\nAddition of two Matrices :\n");
printf("------------------------------\n");
printf("Input the size of the square matrix : ");
scanf("%d", &n);
// Input elements for the first matrix
printf("Input elements in the first matrix :\n");
for (i = 0; i < n; i++) {
for (j = 0; j < n; j++) {
printf("element - [%d],[%d] : ", i, j);
scanf("%d", &arr1[i][j]);}
}
// Input elements for the second matrix
printf("Input elements in the second matrix :\n");
for (i = 0; i < n; i++) {
for (j = 0; j < n; j++) {
printf("element - [%d],[%d] : ", i, j);
scanf("%d", &brr1[i][j]);}
}
// Display the first matrix
printf("\nThe First matrix is :\n");
for (i = 0; i < n; i++) {
printf("\n");
for (j = 0; j < n; j++)
printf("%d\t", arr1[i][j]);}
// Display the second matrix
printf("\nThe Second matrix is :\n");
for (i = 0; i < n; i++) {
printf("\n");
for (j = 0; j < n; j++)
printf("%d\t", brr1[i][j]);}
// Calculate the sum of the matrices
for (i = 0; i < n; i++)
for (j = 0; j < n; j++)
crr1[i][j] = arr1[i][j] + brr1[i][j];
// Display the addition of two matrices
printf("\nThe Addition of two matrix is : \n");
for (i = 0; i < n; i++) {
printf("\n");
for (j = 0; j < n; j++)
printf("%d\t", crr1[i][j]);
}
printf("\n\n");
return 0;
}
```