***PRACTICAL NO.16***

***Date: 04/01/23***

***Q. Write a program to find the sum of two matrices A & B in third matrix C.***

#include <stdio.h>

int main()

{

int a[3][3],b[3][3],c[3][3],i,j;

printf("\nENTER VALUES FOR MATRIX A:\n");

for(i=0;i<3;i++)

for(j=0;j<3;j++)

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

printf("\nENTER VALUES FOR MATRIX B:\n");

for(i=0;i<3;i++)

for(j=0;j<3;j++)

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

for(i=0;i<3;i++)

for(j=0;j<3;j++)

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

printf("\nTHE VALUES OF MATRIX C ARE:\n");

for(i=0;i<3;i++)

{

for(j=0;j<3;j++)

printf("%5d",c[i][j]);

printf("\n");

}

return 0;

}

***OUTPUT:***

