**Write a program to read two matrices of order 3 \* 2, add them and display the resultant matrix in matrix form.**

**#include<stdio.h>**

**#include<conio.h>**

**int main()**

**{**

**int mat1[3][2],mat2[3][2];**

**int i,j;**

**printf("For matrix 1:\n");**

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

**{**

**printf("\nEnter the value of a%d1 a%d2:\t",(i+1),(i+1));**

**scanf("%d %d",&mat1[i][0],&mat1[i][1]);**

**}**

**printf ("\n\nFor matrix 2:\n");**

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

**{**

**printf("\nEnter the value of a%d1 a%d2:\t",(i+1),(i+1));**

**scanf("%d %d",&mat2[i][0],&mat2[i][1]);**

**}**

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

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

**{**

**printf("\n%d %d",(mat1[i][0]+mat2[i][0]),(mat1[i][1]+mat2[i][1]));**

**}**

**getch();**

**return 0;**

**}**