**Write a program to enter two Cartesian coordinate points and display the distance between them.**

**#include<stdio.h>**

**#include<conio.h>**

**#include<math.h>**

**struct coordinate**

**{**

**int x[2];**

**int y[2];**

**};**

**int main()**

**{**

**float d;**

**struct coordinate p;**

**printf("Enter the coordinate of first point (x1,y1): ");**

**scanf("%d%d",&p.x[1],&p.y[1]);**

**printf("Enter the coordinate of second point (x2,y2): ");**

**scanf("%d%d",&p.x[2],&p.y[2]);**

**d=sqrt(pow((p.x[2]-p.x[1]),2)+pow((p.y[2]-p.y[1]),2));**

**printf("\nDistance between the point = %f",d);**

**getch();**

**return 0;**

**}**