

3- #include <stdio.h>

```
int main () {
    int x1, y1, x2, y2, x3, y3;
    int area;
    printf ("Enter the coordinates of first point (x1,y1)");
    scanf ("%d %d", &x1, &y1);
    printf ("Enter the coordinates of second point (x2,y2)");
    scanf ("%d %d", &x2, &y2);
    printf ("Enter the coordinates of third point (x3,y3)");
    scanf ("%d %d", &x3, &y3);
    area = x1.(y2-y3) + x2.(y3-y1) + x3.(y1-y2);
```

if (area == 0)

```
    printf ("the points are collinear.\n");
```

```
else {
```

```
    printf ("the points are not collinear.\n");
```

return 0;

}

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← →

main.c

C main.c M X

C main.c > main()

```
1 # include<stdio.h>
2
3 int main () {
4     int x1 , y1, x2, y2 , x3, y3;
5     int area ;
6     printf("Enter the coordinates of the first point (x1, y1): ");
7     scanf("%d %d", &x1 , &y1);
8     printf("enter the coordinates of the second point (x2, y2)");
9     scanf ("%d %d", &x2 ,&y2);
10    printf("enter the coordinates of the third point (x3, y3)");
11    scanf("%d %d", &x3, &y3);
12    area = x1*(y2 - y3) + x2*(y3 - y1) + x3*(y1 - y2);
13    if (area == 0)
14        printf("the points are collinear.\n");
15    else {
16        printf("the points are not collinear.\n");
17    }
18    return 0;
19 }
20
21
22 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

- abhaygupta@Abhays-MacBook-Air main.c % gcc main.c
- abhaygupta@Abhays-MacBook-Air main.c % ./a.out

Enter the coordinates of the first point (x1, y1): 2  
2  
enter the coordinates of the second point (x2, y2)3  
3  
enter the coordinates of the third point (x3, y3)4  
4  
the points are collinear.

- abhaygupta@Abhays-MacBook-Air main.c %



OnePlus Nord 3 5G

Misraspatti | 10 September 2025 at 11:47 am

