

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 %
```



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Misraspatti | 10 September 2025 at 11:47 am

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