

```
1
2 // Assignment question -1
3 class Point
4 {
5     int x,y;
6     void setPoint(int x,int y)
7     {
8         this.x =x;
9         this.y = y;
10    };
11    void showPoint()
12    {
13        System.out.println("point is: (" + x+", "+y+"");
14    };
15    Point compare(Point p)
16    {
17        if(Math.abs(x) >Math.abs( p.x))
18        {
19            return p;
20        }else if(Math.abs(x )<Math.abs( p.x))
21        {
22            return this;
23        }else
24        {
25            System.out.println("both is at the equal distance in x dir:");
26            return this;
27        }
28    }
29 };
30 class Question1
31 {
32     public static void main(String arg[])
33     {
34         Point p1 = new Point();
35         p1.setPoint(4,7);
36         p1.showPoint();
37         Point p2 = new Point();
38         p2.setPoint(10,8);
39         p2.showPoint();
40
41         Point p3 = p2.compare(p1);
42         System.out.println("Point (" + p3.x + ", "+p3.y+"") is near to x origin in
x direction");
43     }
44 }
45
46
47 // output
48
49 C:\Users\Dell\Desktop\JAVA\Assignments>javac Q-1.java
```

```
50
51 C:\Users\Dell\Desktop\JAVA\Assignments>java Question1
52 point is: (4,7)
53 point is: (-4,8)
54 both is at the equal distance in x dir:
55 Point (-4,8) is near to x origin in x direction
56
57 C:\Users\Dell\Desktop\JAVA\Assignments>javac Q-1.java
58
59 C:\Users\Dell\Desktop\JAVA\Assignments>java Question1
60 point is: (4,7)
61 point is: (10,8)
62 Point (4,7) is near to x origin in x direction
```