```
import matplotlib.pyplot as plt
     def draw_line_Bresenham(x1, y1, x2, y2):
         points = []
         dx = x2 - x1
 5
         dy = y2 - y1
 6
         x, y = x1, y1
 8
 9
10
         points.append((x, y))
11
12
         p = 2 * dy - dx
13
         for \_ in range(dx):
14
15
             x += 1
16
             if p < 0:
17
                 p = p + 2 * dy
18
19
                 p = p + 2 * dy - 2 * dx
20
                 y += 1
21
             points.append((x, y))
22
23
         return points
24
25
     def plot_line(points, title):
         x_values, y_values = zip(*points)
plt.plot(x_values, y_values, marker='o')
26
27
         plt.title(title)
28
         plt.xlabel('X-axis')
plt.ylabel('Y-axis')
29
30
31
         plt.grid(True)
32
         plt.show()
33
34
     # Example usage:
    x1, y1 = 2, 3
35
     x2, y2 = 9, 8
36
37
38
     # Bresenham's algorithm
     bresenham_points = draw_line_Bresenham(x1, y1, x2, y2)
39
40
     plot_line(bresenham_points, 'Bresenham\'s Line Drawing')
41
```

