> **Files:** The accompanying files for this assignment are `geoc_lab3.html` and `TestLab3_i.json.js` (for $i = 1, 2$).
>
> **Delivery:** upload the modified HTML file and any other necessary files to the Racó.

The goal is to classify the relative position of a point with respect to a circle.

Write a program to decide whether a point lies in the interior, the boundary or the exterior of a circle defined by three points. Mark in green the interior points and in red the points in the exterior. Use any color of your choice for the boundary points, and add a meaningful description for each case. Make sure that your program works properly, no matter whether the three points are given in clockwise or counterclockwise order.

Your program should be used to correctly classify the pairs of segments appearing in the files `TestLab3_i.json.js` (for $i = 1, 2$). To that end, modify the HTML file in the area signaled with a "TODO" comment.