Program will create a "triangle.ppm" file, 800 pixels square with an image of a triangle with vertices generated randomly in the unit square ([0,1]x[0,1]) along with the triangle’s circumcircle, incircle, Euler line and the 9 point circle.

Update on 09/24/20 Also draw the 9 point circle for the triangle; Make sure the Euler line is a line across the entire screen not just a segment!!

Lines should be drawn with Bresenham’s algorithm, and circles**should be drawn with a provided rasterized algorithm that uses only integer arithmetic.**  
Make sure the Euler line is a line across the entire screen not just a segment!!

Name of the file should be l01.cpp (lower case L followed by the digits zero and one)

Submit the l01.cpp you wrote and also submit the following document completed:

[Project 1 document.docx](https://fcps.blackboard.com/bbcswebdav/pid-44118052-dt-content-rid-47496148_2/xid-47496148_2)