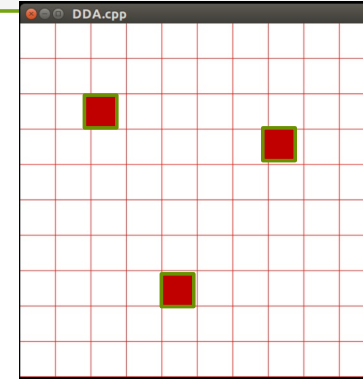# Rasterization Half Space Test

2021/05/11

Fill the triangle

1. Triangle rasterization process:
   - Click on 3 vertices on your 2D Grid to form a triangle
   - Draw the three vertices with red color (10%)
   - Draw the line which connected to vertices *(20%)*
   - Use Half space test to check if a cell is in the triangle (50%)
     - Draw/Fill the cells which are in the triangle

2. Restart the triangle rasterization process:
   - When the user click on the 4th vertex, all the previous drawn cells will be erased, and the above triangle rasterization process will restart (10%)

- Finish all function in Lab class get extra 10 points
  - Submit your code, pdf, demo video before 5/18 midnight

Do not use other library/tools