

## **Programming Assignment #2**

**Evaluation Date: 11<sup>th</sup> September, 2019**

Given 3 triangles  $X$ ,  $Y$  and  $Z$  use scan fill algorithm to color  $X \cap Y \cap Z$  with RED,  $X \cap Y - X \cap Y \cap Z$ ,  $Y \cap Z - X \cap Y \cap Z$ ,  $Z \cap X - X \cap Y \cap Z$  with BLUE, GREEN and YELLOW respectively and the remaining with CYAN. Your code should also handle the cases of three non-intersecting triangles and only two triangles intersecting.

Link for the codes for the ScanFill of a Polygon:

[http://www.iitg.ernet.in/pinaki/P6\\_2\\_ScanFill.zip](http://www.iitg.ernet.in/pinaki/P6_2_ScanFill.zip)

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