Assignment on CSE-374 (Graphics Lab)

Tools to use for lab: OpenGl

ASSIGNMENTS: Write codes for the following scenarios:
1. Line Drawing: Bressenham's Algorithm
2. Region Filling: Scanline Algorithm
3. Transformation (2D): Translation, Rotation, Scaling
4. Line Clipping: Cohen-Sutherland or Liang-Barsky Algorithm
5. Projection: Perspective projection of a cube.
6. A simple Animation like moving any object or transforming one object into another.

SUBMISSION PROCEDURE

Submit an email from your own account. Submission procedure is strict! Maintain the following rules and conditions given below and of course meet the deadline. Otherwise there will be penalty.

Deadline: 21st May 2015
Send Mail To: jannat-cse@sust.edu
Email Subject: CSE374ASSIGNMENT
Attached File Name & Format: YOUR-REG-NO.ZIP (Example 2002331086.ZIP)

Zip file has to contain six separate folders and name those folders as Line Drawing, Region Filling, Transformation, Line Clipping, Projection, and Animation for all six assignments respectively. Those folders have to contain respective .cpp file and other supporting files to execute the code written for the above scenarios.

VIVA VOCE

All of you have to face a viva-voce on the given assignments. Bring a hard-copy of your assignment during the viva.

Date: 28th May 2015
Time: 10:30am

Good Luck ☺
Marium-E-Jannat