

# ME/HCI/CS/CprE 557 - Computer Graphics

## Assignment 1

### Development Environment

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#### Problem 1

This assignment addresses the development environment. Before one can work on computer graphics topics, it is necessary to prepare a computer to allow one to retrieve the required software packages, edit code, compile an executable (.exe), and to execute the executable. These steps may appear to be simple - indeed, they are - but some significant time is required to get everything to work especially for troubleshooting.

#### Goal

The goal of this assignment is a "prepared" development environment and to download, compile, and execute the example program *01\_Hello\_OpenGL* (Available on git).

Figure 1 shows the expected outcome when the program runs correctly.

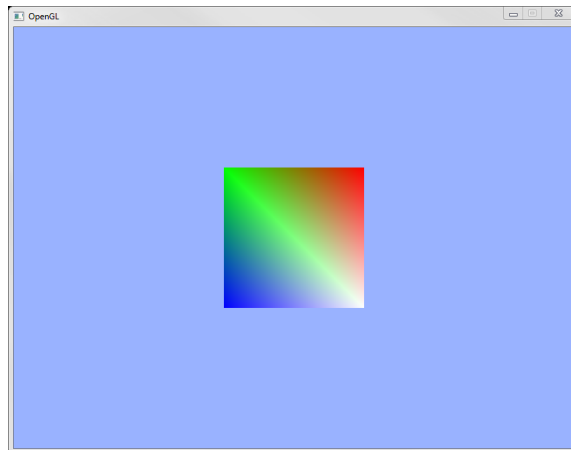


Figure 1: The example program shows you a static view of a quad.

- Note, follow the steps as discussed in class.
- The example program *01\_Hello\_OpenGL* is available on github: <https://github.com/rafael-radkowski/HCI-557-CG>

- The software packages glew, glm, and glfw (glfw version 3) are available on github (same address) or can be downloaded at their origin.

## Deliverable

Nothing, **but** you must have a running development environment and a running *01\_Hello\_OpenGL* executable until the due date. Contact me for any trouble, computer issues, or access to computers **before** this assignment is due; this will not reduce the number of point, if you contact me before the due date. You will lose the points, if you contact me after the due date with any development environment-related problems, etc.

## Problem 2

We will use a git-repository in this course. All the example code and your projects need to be on git. Thus, you need a git-repositroy.

## Goal

- Create a **free** account on GitHub, Bitbucket, or your preferred git-service provider (All fees are on you if you accidentally select the paid repository version.)
- Create a git repository, the name must contain **X\_557\_2015\_ab** , where *X* is a wildcard for any name you select, *ab* are your initials (first name, last name).

## Deliverable

Submit your git-repository link via blackboard.

**Due data: Tuesday, Sept. 1th, 2015, 8:00 pm**

Late submissions will not be accepted!

## Grading

Max. 10 points can be earned in total.

- Problem 1: 8 points - when your development environment works (the test application compiles and runs) and you do not approach me for any development environment-related problems after the due date; you will lose all points if you do contact me!
- Problem 2: 2 point - the link to your git-repository is available on Blackboard.