Homework #1

course: Modeling and 3D Rendering
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Question. Create an application using OpenGL API that performs drawing a triangle using 3 mouse left click.

Answer. File *HW1.c* is the answer to the question. The program gets 3 left mouse clicks locations and draws a triangle using them with a random color each time.

Environment: This program was written in Visual Studio Code IDE, operating system Linux Kubuntu 20.04.

To compile and run the program using the command below:

```
g++ HW1.c -o hw1.out -lGL -lGLU -lglut
./hw1.out
```

A Picture of the program running is attached below.