NTUST: 2023 Advanced Computer Graphics

Homework#2: Write a program to do an animated "clock"

Date Due: 2023. Oct. 17th, PM11:55 (around 2 weeks)

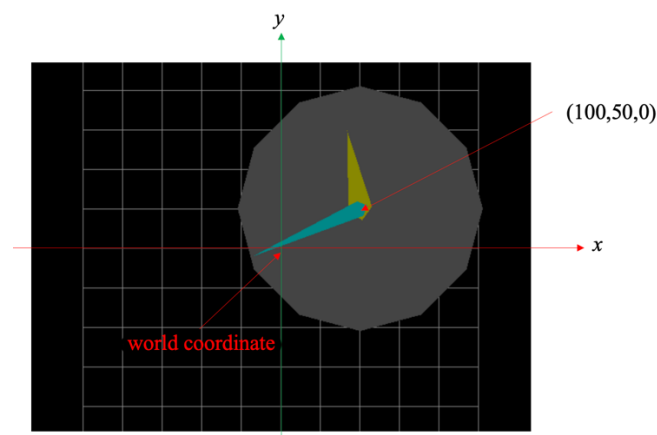Please upload to Moodle2, http://moodle2.ntust.edu.tw/

Description：

1. Write or modify a program to show an animation with rotating hour and minute hands at right positions.

2. In this assignment, please create a circle to present the body of a clock whose center us at (100, 50, 0). And, create extra two hands, (as a shape of diamond or triangle), and their rotation centers align with the body of clock. Finally, create a rotation animation.

   Hint: the speed of minute hand is faster (12x) than hour hand's.

3. You need to submit **program** (**source code** with brief comments). Javascript program is preferred by modifying the sample codes in lectures . And upload data to moodle2 by due date (zip all materials in advance if necessary).

4. Score evaluation: Program is able to show rotating hour and minute hands along the center of clock body (100%).

Hint: If you prefer C/C++ or other program languages, please provide source code and execution file (.exe, under windows x64), and make sure it is a released version and able to run on any other computers without dependency.

Here is one reference result.

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