

Conditional Statements HW:

Building off your alarm clock, you will now write a MELscript program that will display the correct digital time for the following values:

2:00, 4:00, 6:00, 8:00, 10:00 and 12:00

Divide this task into two parts.

Part I:

1. Create a Window GUI in Maya with buttons that will perform the following:
 - a. select the hour cog wheel
 - b. select the minute cog wheel
 - c. Change the hands to point to 2 o'clock.
 - d. Change the hands to point to 4 o'clock.
 - e. Change the hands to point to 6 o'clock.
 - f. Change the hands to point to 8 o'clock.
 - g. Change the hands to point to 10 o'clock.
 - h. Change the hands to point to 12 o'clock.
 - i. Change the hands to point to 11 o'clock (all numbers on the clock face should be visible)

Functionality: When the user clicks the 2 o'clock button on the GUI, the clock should ONLY have 2 o'clock visible. The other clock numbers should disappear.

When the user clicks the 6 o'clock button on the GUI, the clock should ONLY have 6 o'clock visible, etc.

Part II:

1. **Write a procedure** using a conditional statement that will check the values of the hour hand and minute hand and, based on their settings, immediately display the visibility of 2, 4, 6, 8, 10 and 12 when the hour hand and minute hand are pointing to the appropriate time on your clock.
2. Test your code to insure that it works.
3. **Thoroughly document your code.** Format your code for readability.

You will only need **one** script file that encompasses Part 1 and 2. Save your script as **Lastname_Conditional.mel**

DUE DATE: This Project is Due at the Beginning of Class on Week 9.

Grading Rubric below:

	Excellent (4)	Good (3)	Average (2)	Poor (1)	NOT TURNED IN (0)
Execution 20 points (x 3)	code fully and neatly commented with proper syntax- no spelling mistakes - clock functions as described. Overall code is summarized at the top of the code. Individual sections are commented clearly as well.	functional code and clock, but MEL script not fully commented - minor spelling mistakes - a top level overview of what the code does is missing.	serious issues in commenting code - some functionality quirks that prevent the clock from working properly.	Fails to meet expectations in technical ability and proficiency	
Technical Specs followed 20 points	All technical specifications (file naming convention, project parameters followed)	Minor misspelling or folder organization issues.	Major misspelling or failure to adhere to major technical specifications.	Didn't follow the technical specifications at all.	

Presentation 20 points	Prepared, professional, and ready to show work when called upon	Prepared, ready to show work when called upon.	Not fully prepared. (i.e. file not in drop-off box, waiting for files to copy, etc.)	No presentation made.
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Please note: Zeros are recorded for projects not turned in.