

Week 5 Assignment: Time Conversion

Directions: You are to write a C++ program that meets the instruction requirements below.

Deliverables:

Your C++ source code file. (The file with the .CPP extension). No other files will be accepted.

- A screenshot of your program running.

Program Instructions:

Write a program to convert the time from 24-hour notation to 12-hour notation and vice versa. Your program must be menu driven, giving the user the choice of converting the time between the two notations. Furthermore, your program must contain at least the following functions: a function to convert the time from 24-hour notation to 12-hour notation, a function to convert the time from 12-hour notation to 24-hour notation, a function to display the choices, function(s) to get the input, and function(s) to display the results. (For 12-hour time notation, your program must display AM or PM).

| Grading Criteria Assignments | Maximum Points |
|------------------------------------------------------------------------|----------------|
| Program accomplishes requested operations per instructions | 40 |
| The code works and meets all assignment specifications | 30 |
| The code is organized and easy to follow and output is clear and clean | 20 |
| Uses software tools correctly and efficiently | 10 |
| Total | 100 |