

RED & WHITE[®]

Multimedia Education

Shaping "skills" for "scaling" higher...!!!

C++

Project - 1

Time Converter

RED & WHITE MULTIMEDIA EDUCATION

Shaping "skills" for "scaling" higher...!!!

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<https://www.rnwmultimedia.edu.in>

Project Definition: Time Converter

Overview:

This project aims to develop a utility program in C++ that handles time conversion. We'll create a class: TimeConverter. The class will be used for relevant functionality and objects of this class will be used to perform specific tasks. A menu-driven approach will be used to provide the choices to the user whether to convert from seconds to HH:MM:SS or vice versa.

Time Allocation:

- Total Duration: 1 Hour
- Total Marks: 10

Instructions:

1. Attempt all assigned tasks.
2. Make suitable assumptions wherever necessary.
3. Upload your exam task by uploading the project to GitHub and submitting the GitHub repository link which must have screenshots of your output in a README.md file.
4. This project is individual-based; copying code from classmates is prohibited.

Remember to follow the instructions provided professionally, make suitable assumptions wherever necessary, and avoid copying code or content from any unauthorized sources. Good luck with your project work!

Problem Statement:

Q.1 Time Converter

Converts seconds to the HH:MM:SS format.

Class Name: TimeConverter

Example: (From seconds to HH:MM:SS)

Input:

Enter total seconds: 4200

Output:

HH:MM:SS => 1:10:00

Example: (From HH:MM:SS to seconds)

Input:

Enter hours: 4

Enter minutes: 34



Enter seconds: 30

Output:

Total seconds: 16470

Marking Criteria: (Total 10 Marks)

Logic: 8 Mark

Output: 2 Mark

Time Converter

C++

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