

Chapter 2

Write programs for the following and test to make sure they work. Please follow the book's guidelines or my style guidelines to write code.

1. Write a program that prompts the user to input a decimal number and outputs the number rounded to the nearest integer. There is no one function that will do this automatically. You will have to resort to some mathematical trick (very simple one) or a combination of functions. Remember `static_cast` will only truncate and not round.
2. Write a program that prompts the user to enter five test scores and then prints the average test score. (Assume that the test scores are decimal numbers.)
3. Write a C++ program that prompts the user to input the elapsed time for an event in seconds. The program then outputs the elapsed time in hours, minutes, and seconds. (For example, if the elapsed time is 9630 seconds, then the output is 2:40:30.)