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Assignment 6

Program to compute the Future Value & Total Interest Earned

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CS155 - Computer Science I

Problem: Ask the user to enter the name, as well as the principal, annual interest rate, number of compounding per year, and the number of years of an investment. Using the formulas discussed in class, your program should compute the future value and the total interest earned. Those values should be displayed using two decimal places. The user's name should be displayed, too.

Algorithm:

Have user input the information including user’s name, principle, annual interest rate, number of compounding per year, and number of year of an investment.

Calculate:

P = principle,

r = annual rate

m = compounding per year

t = year

Future Value

Total Interest Earned = Future Value - Principle

Output the name, future value, and total interest earned.