Future value computation

Write a C++ program to compute the future value of a sum of money invested today.

$$p_n = p_0(1 + r)^n$$

$$n = number\ of\ periods$$
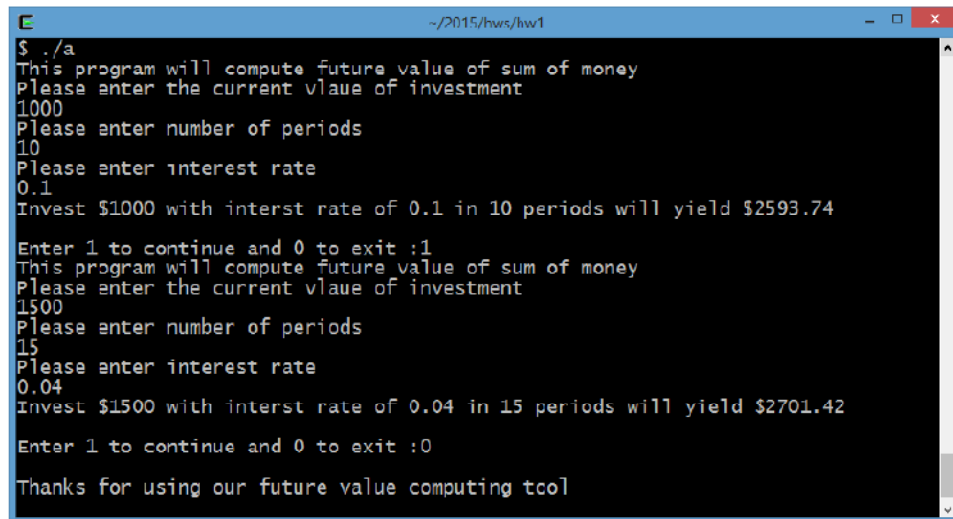
$$p_n = future\ value\ n\ periods\ from\ now$$

$$p_0 = original\ principal$$

$$r = interest\ rate\ per\ period\ (in\ decimal)$$

Your program will ask user to enter $p_0, n, and\ r$ and output the future value. Your program will ask user to enter 1 to continue and 0 to exit. Output a farewell message before exit the program. You don't have to error handling for this problem

Test Run results