# Lab 04 -- Chapter 04 – Compounding Interest

## Lab Description:

Write a program that reads a bank account balance and an interest rate and displays the value of the account in ten years. See pg 257, #3, and follow the directions. Additionally, your program must meet the requirements below.

As a last step, alter your program to also prompt the user for the number of years, and use the provided value for your computations.

## Lab Requirements:

1. The class should be named Interest.java
2. Your program should prompt the user for the number of years, instead of using a constant of 10 years
3. All currency values must be formatted with a $ sign and two decimal places.
4. Your program should welcome the user to the program and explain how it works.
5. All input and output must be clean and well organized.
6. Use JOptionPane or Scanner to interface with the users
7. Use Java formatting conventions
8. Use comments where appropriate
9. Create a short document explaining how you tested your program.
10. Submit your testing document to Blackboard.
11. Submit your source code to Blackboard
    1. Remember, your submitted source code must compile or a zero will be given