
Compound Interest

3rd October 2017

Problem Statement

If you invest P dollars at R percent interest rate compounded annually, in N years your investment will grow to $P(1 + R/100)^N$ dollars.

Compute the amount of money earned after N years.

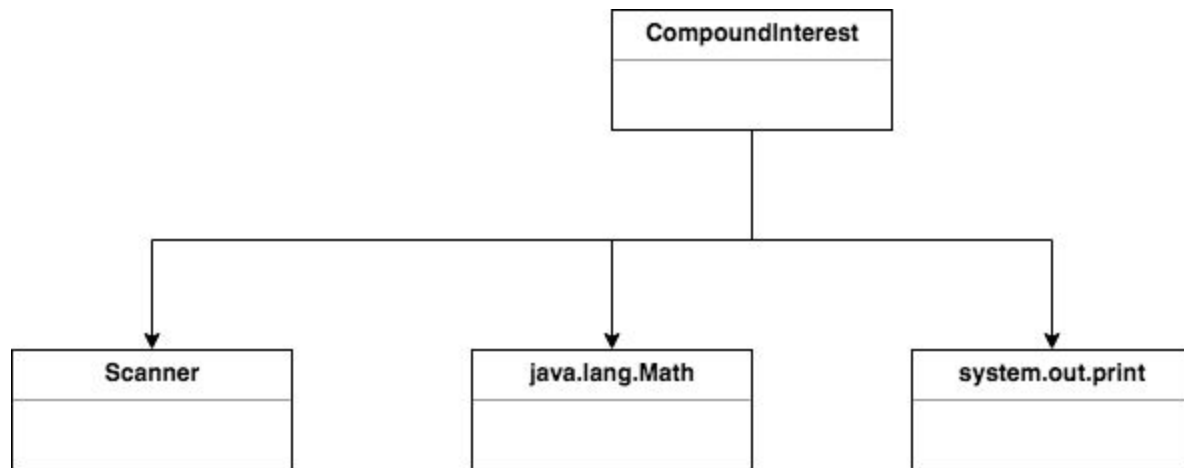
Plan - By task

1. Collect user input for P , R and N .
2. Apply the user input to the equation and compute earned monies.
3. Display the result in a readable way

Class Descriptions

| Class: | Purpose: |
|------------------|--|
| CompoundInterest | Main class of program |
| Scanner | Collection of user input. |
| java.lang.Math | Calculation of user input to a meaningful result |
| System.out.print | Output the result to terminal |

Program Diagram



Assumptions

1. Interest is entered in a more human readable percentage point
2. User input is already sanitized