Midterm Practice P2

Submit the source code and a sample run matching the one provided below via D2L.

Write a program to figure out the value of an investment in the future. Your program should input the initial value of the investment, rate of return and the number of years. To calculate the interest(return) for the year multiply the value at the start of the year by the interest rate and add it to the total. You can use the following formula to calculate interest:

interest = balance \* interestRate/100.0;

Round the numbers and the resultant output. Produce a table similiar to the one shown below.

What is the value of the initial investment?**1000**What is the rate of return?**2.5**What is the term of the investment?**5**Year Interest Balance  
=====================  
1 25.00 1025.00  
2 25.63 1050.63  
3 26.27 1076.90  
4 26.92 1103.82  
5 27.60 1131.42

Hint: These values are rounded. Use Math.round() to round to the closest penny. For example, to round the variable ‘x’ write:

x = Math.round(x \* 100.0)/100.0;

Bonus: Solve this problem using pennies for all calculations. Results should be the same.