CSC 102

**Chapter 5 Program for loop Assignment**

**Capital**

Create a program with the identifier Capital, which will do all of the following:

1. Ask the user for an initial cash investment.
2. Ask the user for the annual percentage yield.
   1. Modify this annual to become a monthly interest rate.

double monthlyInterestRate = annualInterestRate / 1200;

1. Ask the user for how many months till maturity (how long to invest the money).
2. Print titles for the table:

Month Capital Value

1. Create a loop to calculate the interest accrued each month and display the month and the current capital value. Make sure that this is formatted!

value = value \* (1 + monthlyInterestRate);

Example data: 8.2 % APR $10,000 initial capital 24 months

Sample Run:

This will display the capital earned on a cash investment.

Please enter the initial cash amount: 10000

Enter annual percentage yield: 8.2

How many months to be invested? 24

Month Capital Value

1 10068.33

2 10137.13

...

23 11695.65

24 11775.57