



New Era University

College of Computer Studies

Rm. 247-B, High School Annex B, New Era University

Tel. No.: (+632) 981-4221 loc 3825

E-mail: computerstudies@neu.edu.ph



for Loop Assessment:

1. Simulate and show the output of the given program: Note that incorrect simulation leads to incorrect OUTPUT

```
public static void main(String[] args)
{
    DecimalFormat df = new DecimalFormat("##,###.00");
    int year = 0;

    double $my_investment = 1000.0, interest = 0.0, $money = 0.0;

    // Printing of the Headers
    System.out.print("Year\t");
    System.out.print("Amount\t\t");
    System.out.print("Interest\t");
    System.out.print("Year-end Money");

    // Place the cursor to the next line
    System.out.println();

    // Loop details
    for (year = 1; year <= 5; year++)
    {
        interest = $my_investment * 0.1;
        $money = $my_investment + interest;

        // Printing of Details
        System.out.print(year + "\t");
        System.out.print(df.format($my_investment) + "\t");
        System.out.print(df.format(interest) + "\t\t" + df.format($money));

        // Cursor to proceed on the next line
        System.out.println();
        $my_investment=$money; //Set current money
    } // to investment
}
```

Accumulator / Counter			
year	\$my_investment	interest	money
0	1000.0	0	0
1	1100.0	100.0	1100.0
2	1210.0	110.0	1210.0
3	1331.0	121.0	1331.0
4	1464.1	133.1	1464.1
5	1610.51	146.41	1610.51
6			

Output:			
Year	Amount	Interest	Year-end Money
1	1,000.00	100.00	1,100.00
2	1,100.00	110.00	1,210.00
3	1,210.00	121.00	1,331.00
4	1,331.00	133.10	1,464.10
5	1,464.10	146.41	1,610.51


Vem Aiensi A. Marasigan
CCC112-18 / 1-BSCS-.3
BS Computer Science