

**2006/2007 SOUTHERN CALIFORNIA REGIONAL  
ACM INTERNATIONAL COLLEGIATE PROGRAMMING CONTEST**

**Problem 0 (Sample)  
Account Statement**

Your team works for a foreign low tech bank which just told their customers they will have account statements at the end of each month. The boss has directed your team to complete the work needed to print out the statements. These accounts are long term Certificates of Deposit so customers may not make additional deposits or withdrawals. The bank also truncates all fractions beyond the hundredths place (that's one way they make their money).

Input to your program will be a file on standard input. Each line will contain an account number, the previous cycle's ending account balance, the number of days in the current cycle and the interest rate separated from each other by single spaces.

- Account numbers can only be numeric.
- Account balances are numeric only, with two digits after the decimal point (dollars and cents).
- Days in cycle is a numeric value in the range 0–31.
- Interest rates are real numbers with at most 3 decimal places and are given as Annual Percentage Rates (with 365 days in the year).

For each input line, calculate the simple interest earned in the month using the data supplied and produce output that follows the format:

Account Number

Interest Earned

New Account Balance

Print the account number on a line starting in the first column. On the next line print 10 spaces followed by the interest earned for the month with two digits after the decimal point (dollars and cents). On the following line print 10 spaces followed by the new account balance with two digits after the decimal point (also dollars and cents).

*Sample Input*

```
030091128 5000.12 31 4.500
030091129 12534.99 30 5.25
```

*Output for the Sample Input*

```
030091128
          19.11
          5019.23
030091129
          54.08
          12589.07
```