# Backwards Numbers

Fun with Modulo

# ITEC 2140

To submit:

1. The java class BackardsNumbers.java

# Program – BackwardsNumbers.java

Write a class named BackwardsNumbers that prompts the user to enter a number between 0 and 10000 (not including 10000) and print the digits in reverse order. The following are some examples:

1. For a given value 2567, the program should print 7652.
2. For 23, since the digit at hundreds is 0,and the digit at thousands is 0, the program should print 3200.
3. For 1000, since the digit at ones, hundreds and thousands are 0, the program should print 0001.
4. For 0, the digits at ones, tens and hundreds are all 0, so the program should print 0000.

Hint: Use the modulo (%) operator to find the last digit, use the division (/) operator to find the first digit, and use a combination of the / and % to find the digits in the middle.

Sample input and output from console, user input in bold:

Enter a number up to 999: **6789**

The number backwards: 9876