

## Practice Exercise #13: Missing Digits

[http://www.comp.nus.edu.sg/~cs1020/4\\_misc/practice.html](http://www.comp.nus.edu.sg/~cs1020/4_misc/practice.html)

**Reference:** Week 4 Arrays

### Objectives:

1. Using array of primitive data type
2. Problem solving

### Task statement:

Write a program **MissingDigits.java** to read in a positive integer and list out all the digits that do not appear in the number. The digits listed should be in ascending order.

You may assume that the input value does not contain leading zeroes.

You are to use a **boolean** array, not Vector class, ArrayList class or any other related classes.

The sample runs are shown below. Note that in the output, every digit is followed by a blank. For example, the output for sample run #1 is

Missing digits in 73105: 2 4 6 8 9

where represents a blank character.

### Sample run #1:

Enter a number: 73105

Missing digits in 73105: 2 4 6 8 9

### Sample run #2:

Enter a number: 200326

Missing digits in 200326: 1 4 5 7 8 9