Problem Set 2 Exercise #06: Find the First Digit

Reference: Lecture 4 notes

Learning objective: Repetition statements

Estimated completion time: 15 minutes

Problem statement:

Write a program **PS2_Ex06_FirstDigit.java** to print out the first digit, i.e. the leftmost digit, of a positive integer input by the user. You may assume that the input integer has at most 8 digits.

A tip is given at the end of this page.

Sample run #1:

```
Enter an integer: 120
Leftmost digit is 1
```

Sample run #2:

```
Enter an integer: 4
Leftmost digit is 4
```


Useful tip:

Your program is not aware beforehand how many digits an input integer has. Therefore it's more natural to engage a *while* loop to keep processing the input integer until it becomes single digit. This single digit is the answer you want.