Practice Exercise #42: Largest Digit Pair

http://www.comp.nus.edu.sg/~cs1010/4_misc/practice.html

Reference: Week 11 Discussion Question 4

Date of release: 20 October 2014

Objectives: Recursion

Task statement:

Write a program **largest_pair.c** to read a positive integer and determine the largest pair of digits in that number, starting from the right to the left, using a recursive function.

For example, if the input number is 5064321, then the pairs are 21, 43, 6 and 5, and hence the answer is 43.

Sample runs:

```
Enter positive integer: 5064321
Largest pair of digits in 5064321 is 43

Enter positive integer: 12345678
Largest pair of digits in 12345678 is 78
```