

Practice S02P02: Magic Number

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

Reference: Week 3, Exercise #5

Week of release: Week 3

Objective: Writing function

Task statement:

Write a program **magicNumber.c** to read two positive integers, each with at most 5 digits, and for each integer, add up the digits (from right) in positions 1, 3 and 5. The right-most digit of the sum is the required answer.

For example, if the input is 76524, then adding up the digits 4, 5 and 7, we get 16. The answer is hence 6.

Your program should contain a function **get_magic()** to compute and return the answer. You are to decide on its parameter(s). What is the precondition of the function?

Sample run:

```
Enter 1st value: 76524
Magic number = 6
Enter 2nd value: 8946
Magic number = 5
```