세계 속의 빛
광주과학기술원

Computer Programming

Lab1

Mar 11, 2025

Ex1

- Write a program that takes two integers from the user and performs addition (+), subtraction (-), multiplication (*), division (/), and remainder (%) operations.

Ex1

- **Program output**

```
[ohyong@cse cp]$ ls
Lab0
[ohyong@cse cp]$ mkdir Lab1
[ohyong@cse cp]$ ls
Lab0  Lab1
[ohyong@cse cp]$ cd Lab1
[ohyong@cse Lab1]$ ls
[ohyong@cse Lab1]$ vi ex1_1.c
[ohyong@cse Lab1]$ ls
ex1_1.c
[ohyong@cse Lab1]$ gcc ex1_1.c -o ex1_1
[ohyong@cse Lab1]$ ./ex1_1
Enter two integers: 10 3
Sum: 13
Difference: 7
Product: 30
Quotient: 3
Remainder: 1
```

```
[ohyong@cse Lab1]$ ./ex1_1
Enter two integers: 15 4
Sum: 19
Difference: 11
Product: 60
Quotient: 3
Remainder: 3
```

Ex2

- Write a program that inputs a three-digit integer (100 to 999) and calculates the sum and product of each digit.

Ex2

- **Program output**

```
[ohyong@cse Lab1]$ ls
ex1_1  ex1_1.c
[ohyong@cse Lab1]$ vi ex1_2.c
[ohyong@cse Lab1]$ ls
ex1_1  ex1_1.c  ex1_2.c
[ohyong@cse Lab1]$ gcc ex1_2.c -o ex1_2
[ohyong@cse Lab1]$ ls
ex1_1  ex1_1.c  ex1_2  ex1_2.c
[ohyong@cse Lab1]$ ./ex1_2
Enter a three-digit number: 256
Sum of digits: 13
Product of digits: 60
```

```
[ohyong@cse Lab1]$ ./ex1_2
Enter a three-digit number: 742
Sum of digits: 13
Product of digits: 56
```

Submission

- **Submit to server**

Lab #

Class #

At the end of the Lab1, submit your C sources file by typing

~gs1401/bin/submit Lab1_2 ex1_1.c ex1_2.c // by Thur. 11:50

~gs1401/bin/submit Lab1_3 ex1_1.c ex1_2.c // by Friday 10:50

~gs1401/bin/submit Lab1_4 ex1_1.c ex1_2.c // by Friday 11:50

~gs1401/bin/submit Lab1_5 ex1_1.c ex1_2.c // by Friday 13:50

You may check that you have submitted your source code correctly by typing

~gs1401/bin/submit -check