세계 속의 GIST 이공계 대학

Computer Programming

Lab3

Mar 25, 2025

Ex1

- Write a program that takes an integer input from the user and counts how many digits it has using a *while* loop.

Ex1

- **Program output**

```
[ohyong@cse Lab3]$ vi ex3_1.c
[ohyong@cse Lab3]$ gcc ex3_1.c -o ex3_1
[ohyong@cse Lab3]$ ./ex3_1
Enter a number: 12345
The number has 5 digits.
```

```
[ohyong@cse Lab3]$ ./ex3_1
Enter a number: 987654321
The number has 9 digits.
```

```
[ohyong@cse Lab3]$ ./ex3_1
Enter a number: -2025
The number has 4 digits.
```

```
[ohyong@cse Lab3]$ ./ex3_1
Enter a number: 0
The number has 1 digits.
```

Ex2

- Write a program that takes an integer input from the user and prints the number in reverse order using a *while* loop.

Ex2

- **Program output**

```
[ohyong@cse Lab3]$ vi ex3_2.c
[ohyong@cse Lab3]$ gcc ex3_2.c -o ex3_2
[ohyong@cse Lab3]$ ./ex3_2
Enter a number: 1234
Reversed number: 4321
```

```
[ohyong@cse Lab3]$ ./ex3_2
Enter a number: 98765
Reversed number: 56789
```

```
[ohyong@cse Lab3]$ ./ex3_2
Enter a number: -2025
Reversed number: -5202
```

```
[ohyong@cse Lab3]$ ./ex3_2
Enter a number: 7890
Reversed number: 987
```

Submission

- **Submit to server**

Lab #

Class #

At the end of the Lab3, submit your C sources file by typing

~gs1401/bin/submit Lab3_2 ex3_1.c ex3_2.c // by Thur. 11:50

~gs1401/bin/submit Lab3_3 ex3_1.c ex3_2.c // by Friday 10:50

~gs1401/bin/submit Lab3_4 ex3_1.c ex3_2.c // by Friday 11:50

~gs1401/bin/submit Lab3_5 ex3_1.c ex3_2.c // by Friday 13:50

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

~gs1401/bin/submit -check