

Computer Programming

Lab5

Apr. 11, 2025



Ex3

- Write a program that skips multiples of 3 and prints the remaining numbers within a range entered by the user. The *end* value is greater than the *start* value.

Ex3

- **Program output**

```
[ohyong@cse ~/cp/Lab5]$ vi ex5_3.c
[ohyong@cse ~/cp/Lab5]$ gcc ex5_3.c -o ex5_3
[ohyong@cse ~/cp/Lab5]$ ./ex5_3
Enter start number: 3
Enter end number: 25
4
5
7
8
10
11
13
14
16
17
19
20
22
23
25

[ohyong@cse ~/cp/Lab5]$ ./ex5_3
Enter start number: 10
Enter end number: 19
10
11
13
14
16
17
19
```

- Write a program that determines whether a given year is a leap year or not.
 - A year is a leap year if it meets the following conditions:
 - ✓ It is divisible by 4 **and** not divisible by 100,
or
 - ✓ It is divisible by 400.

- **Program output**

```
[ohyong@cse ~/cp/Lab5]$ vi ex5_extra.c
[ohyong@cse ~/cp/Lab5]$ gcc ex5_extra.c -o ex5_extra
[ohyong@cse ~/cp/Lab5]$ ./ex5_extra
Enter a year: 2024
2024 is a leap year.

[ohyong@cse ~/cp/Lab5]$ ./ex5_extra
Enter a year: 2100
2100 is a common year.

[ohyong@cse ~/cp/Lab5]$ ./ex5_extra
Enter a year: 2000
2000 is a leap year.

[ohyong@cse ~/cp/Lab5]$ ./ex5_extra
Enter a year: 2025
2025 is a common year.
```

Submission

- **Submit to server**

At the end of the Lab5, submit your C sources file by typing

`~gs1401/bin/submit Lab5_3 ex5_3.c ex5_extra.c // by Fri. 10:50`

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

`~gs1401/bin/submit -check`