TP1-Getting started with C programming

Lab's objectives:

- Getting input and display output via **printf** and **scanf**
- Using variables, data types
- Writing first simple programs with basic operators

Deadline: 5 days , submit to moodle

Practice1: Write a C program to display the following:

```
*********************************************
* Institute of Technology of Cambodia *
*********************************************

=============================================
/  Department of Information and Communication Engineering  /
=============================================
```

Practice2: Write a C program to store 3 information such as your name, your department and your year of study. Then the program displays the following message:

```
--
Hello everyone!
My name is yourName.
I am a year NUMBER.
I am from deparmentName.
Welcome to C programming!

Hello World!
_
```

Practice3: Write a C program to read your surname and name from keyboard then show message

INPUT:

```
Enter your name: Sok
Enter your gender(M/F): M
Enter your age: 20
```

OUTPUT:

```
Welcome to GIC Sok, M, 20
```

Practice4: Write a C program to compute 5 basic mathematical operations between two input numbers a and b. The 4 operations are: addition, subtraction, multiplication, division and modulo. The program looks like the following:

INPUT:

Enter a: 7
Enter b: 2

OUTPUT:

> Basic mathematics are:
Addition: 7 + 2 = 9
Subtraction: 7 - 2 = 5
Multiplication: 7 * 2 = 14
Division: 7 / 2 = 3.5, and Modulo: 7%2 = 1

Practice5: Write a C program to calculate the surface of a rectangle from the user input of width and height of the rectangle.

INPUT:

Enter width: 7
Enter height: 2

OUTPUT:

Surface of a rectangle: 14

Practice6: Write a program to get the name and year of birth from a user. Then display information: name and year and his/her age.

INPUT:

Enter your name: Sok
Enter your year of birth: 2000

OUTPUT:

Name: Sok
Year of birth: 2000
Age: 24