

GIC Summer Training 2021

Practice 1

*Objective: practice input output (printf, scanf) and arithmetic operator.

1. Write a C program to create variable (name, gender, age and phone number). And then display following message:

```
Hello, John!  
Your age is 10 years old.  
Your gender is male.  
Your Phone number is 087889900.
```

2. Write a C program to get inputs from user (a character and a number). And display a tree of characters and numbers (4 rows).

```
Input: character: c  
       number: 0  
Output  
       c  
       0 0  
       c c c  
       0 0 0 0
```

3. Write a C program to convert minutes to hour and minute. And then display the message.

```
Input:      minute: 100  
Output:     It is 1h 40min.
```

4. Write a C program that can calculate some formula and display result. This program asks a user to input x and y then compute all formula below:

- $f1 = 3x - 2y$
- $f2 = (x + y)^2$
- $f3 = x^2 + 2xy + y^2$
- $f4 = (y^3 + x^2) / (xy)^2$
- $f5 = (x^2 + 2xy + y^2) / (x + y)^2$

(Remark: create x, y and f1-f5 as float)