LAB1.Functions

1. **Write program that prompts user to insert his name, department, university and send them to the function Information to print it.**
2. **write a program with a function to calculate square number the user enter number and return it.**
3. **write a program with a function perform to calculate two numbers the user enters them; these operations are:**
    a. **Add.**
    b. **Sub.**
    c. **Multi.**
    d. **Divide.**
4. **write a program with a function (large function) to camper two numbers and return the larger number.**
5. **write a program with a function to calculate rectangle area and return result**

    NOT: rectangle area = width x height.
6. **write a program with a function the user enters small or capital letter and convert the letter if was small to capital and opposite.**
7. **write a program with a function to sum 3 numbers after that calculate the average in function and call the functions**

    sum (x1, x2, x3) average (x1, x2, x3).
8. **Write an application with a function that takes an integer value and returns the number with its digits reversed. For example, given number 7631, the function should return 1367.**

LAB1 (H.W)

1. **Write a program that prompts the user to insert his name, address and level then sends them to the function INFORMATION to print them.**
2. **Write a C++ program that will display the calculator menu. The program will prompt the user to choose the operation choice (from 1 to 5). Then it asks the user to input two integer vales for the calculation. See the sample below.**

   MENU

   1. Add

   2. Subtract

   3. Multiply

   4. .Divide

   5. Modulus

   Enter your choice: 1

   Enter your two numbers: 12 15

   Result: 27

   Continue? y

The program also asks the user to decide whether he/she wants to continue the operation. If he/she input 'y', the program will prompt the user to choose the operation gain. Otherwise, the program will terminate.

3. **Write a function that takes circle area and return the result**

   Not: area = 3.14 * radius* radius.

4. **Write a function that accepts a character and check if it's uppercase or lowercase. If it's a digit print that it is a digit. Else print that it's a special character.**
5. **Write a function that reads three numbers to divide the first two numbers and add the result to the third number then return the result.**