Lab 16 Functions

Introduction to Computer Science I

# Objectives:

After performing this lab, the students should be able to

* write function definitions
* write programs that calls user-defined functions

# Names of Lab Group Members:

## Activity

Provide your C++ source code and screenshots of your program outputs.

##### Part A

##### 

* Modify the above program
  + to have two additional functions: "PrintHappyFace" prints a face with a smile, and "PrintSadFace" prints a face with a frown (the leftmost and rightmost mouth characters can be on the previous line for happy, or on the following line for sad).
  + to ask the user to enter a key. If the key was "h" then print a happy face, else if "s" then print a sad face, else for any other key print the normal face.

##### Part B

Write a function that converts from the U.S. measure of automobile fuel economy of miles-per-gallon to the measure of kilometers-per-liter used in some other countries, and use that function in a program that asks the user for a measure in miles/gallon and converts it to km/L.

1 kilometer = 0.621371 mile

1 liter = 0.264172 US gallon