

## Project #1 Instructions

**Objective:** The objective of this project is to review functions. Use the file attached, **Project1.cpp**, to start this project. Open the file and copy it into your main.cpp in Replit. Revise the program so that it contains the functions listed as follows. You must follow the specifications for each function **exactly** to demonstrate to me that you can write both void functions and value returning functions and use value and reference parameters appropriately.

1. **getTemps** - This function will get four temperatures from the user. The function must be a **void function** and all parameters must be appropriate.
2. **calculateTotalAve** - This function will calculate the total and average of the temperatures. The function must be a **void function** and all parameters must be appropriate.
3. **calculateLowTemp** - This function will calculate the lowest temperature. This function must be a **value returning function** and all parameters must be appropriate.
4. **display** - This function will display the temperatures, total temperature, average temperature and lowest temperature. This function must be a **void function** and all parameters must be appropriate.

### Project Requirements (all must be included to receive full credit):

- The main program should be made up a series of function calls. No function (other than main) should call another function
- All function definitions should follow the main program and have prototypes prior to the main program
- You may choose to change the names of the functions suggested above, but use the four functions described exactly (including one value returning function)
- Your program must contain the following documentation (comments):
  - comments at the top containing your name and a brief explanation of the program
  - comments prior to each function definition explaining the purpose of the function

**Submit Project:** Once your program is working and you are ready to submit it for a grade, click on the **Project #1** Assignment Link, attach your source file then Submit.