CSCI 259/390
Lab 1 – Functions

Time Due:
This lab is due Aug. 31 – 7:00 PM.

Work to Do:
For this lab, you are to do the following:
1. Create a new C++ program called "lastname_lab1.cpp" (use your actual last name)
2. Create a program inputs a number from the user (use cin)
3. Have the user choose to convert from Fahrenheit to Celsius or Celsius to Fahrenheit
4. Create two functions to do the conversions.
5. Output the original number and the converted number.

Submission:
1. Use WinSCP to copy your program from Turing to your machine
2. Send your code as an attachment to chhumph1@olemiss.edu
3. Subject of email should be: Lastname – Lab 1

Useful Information:
\[
\text{double deg_c} = (5.0 / 9.0) \times (\text{deg_f} - 32.0);
\]
\[
\text{double deg_f} = (9.0 / 5.0) \times \text{deg_f} + 32.0;
\]

Example Output:
Enter a number: 3
Choose conversion option (1 for f->c, 2 for c->f): 3
3 is an unknown option.

Enter a number: 100
Choose conversion option (1 for f->c, 2 for c->f): 2
100 deg C is 212 deg F.

Enter a number: 212
Choose conversion option (1 for f->c, 2 for c->f): 1
212 deg F is 100 deg C.

Enter a number: 32
Choose conversion option (1 for f->c, 2 for c->f): 1
32 deg F is 0 deg C.

Enter a number: 0
Choose conversion option (1 for f->c, 2 for c->f): 2
0 deg C is 32 deg F.