**Name:**

**Advanced Programming in C++**

**Lab Exercise 2/2/2024**

In this exercise, you will write several programs that will demonstrate some of the basic features of the C++ programming language. When you have completed your programs, you are to submit your documented source code as well as a sample output.

1. Write a program that uses a loop to display the characters for each ASCII code from 32 to 127.
2. Write a program with a loop that lets the user enter a series of integers, followed by -99 to signal the end of the series. After all the numbers have been entered, the program should display the largest and smallest numbers entered.
3. Write a program that prints a temperature conversion table that prints the conversion from °F to °C for all temperatures from the range of 0° F to 212°F.
4. Write a program that calculates how much a person earns in a month if the salary is one penny the first day, two pennies the second day, four pennies the third day, and so on with the daily pay doubling each day the employee works. The program should ask the user for the number of days the employee worked during the month and should display a table showing how much the salary was for each day worked, as well as the total pay earned for the month. The output should be displayed in dollars with two decimal points, not in pennies.