**Lab Exercise 1 Total: 100pts**

**Deadline: March 10, 2023 (during lab class)**

**Basic input and output**

**Tasks:**

1. Write a program that solves for the area of a circle. Ask the user to input the diameter and output the area of the circle rounded to two decimal places.
2. Write a program that reads in 5 integers from standard input and output the sum and average of the numbers.
3. Write a program that reads in a single character from standard input and outputs the ASCII value of that character.
4. Write a program that converts the temperature from Fahrenheit to Celsius and print the result. The value of Fahrenheit must be read from the standard input.
5. Write a program that reads in two integers from standard input and output the sum, difference, product, quotient, and remainder of those numbers.

**Evaluation:**

* Each item is worth 20 pts.
  + Working code: 15 pts
  + Code organization and readability: 5 pts
    - Deductions:
      * Major mistake: 5pts
      * Minor mistake: 1pt
* Make sure to submit on or before the deadline. Submissions beyond the deadline will receive a 2pt deduction every 24hrs after the given deadline.