1. You are managing an inventory system where you receive daily stock levels. At the end of the week, you need to find the day with the highest stock level and the day with the lowest stock level.
2. Given daily temperatures for a week, determine the number of days until a warmer temperature. If there is no future day for which this is possible, put 0.
3. A customer service center tracks the time each customer spends waiting before being served. You need to calculate the average waiting time for all customers in a day.
4. Given the daily closing prices of a stock, determine the best day to buy and the best day to sell to maximize profit.