CSE110: Programming Language I (Lab)

Summer 2024

Lab Quiz - 04

Duration: 30 Minutes

| Name: | ID: | Section: |
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1. Imagine, you are developing a temperature monitoring system for a greenhouse. Write a Java program that takes N temperature readings from different sensors placed inside the greenhouse. Each temperature reading is a decimal value representing degrees Celsius. The program should calculate and display the highest and lowest temperatures recorded, as well as the average temperature across all readings.

Example:

Sample Input:

Enter N: 5

Enter temperature 1: 23.5

Enter temperature 2: 24.8

Enter temperature 3: 22.1

Enter temperature 4: 25.3

Enter temperature 5: 23.9

Sample Output:

Temperature range: 22.1°C - 25.3°C

Average temperature: 23.52°C