CSE110: Programming Language I (Lab)

Summer 2024

Lab Quiz - 04

Duration: 30 Minutes

| Name: | ID: | Section: |
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1. Imagine, you are the manager of a health monitoring company. Write a Java program that takes N number of heart rate readings from a patient. Each heart rate reading is an integer value representing beats per minute (BPM). For each heart rate reading, the input is within a plausible range (e.g., between 40 BPM and 200 BPM). The program should display a summary containing the highest and lowest heart rate readings and average of all the readings.

Example:  
Sample Input:

Enter N: 6

Enter heart rate 1: 120

Enter heart rate 2: 112

Enter heart rate 3: 90

Enter heart rate 4: 76

Enter heart rate 5: 88

Enter heart rate 6: 97

Sample Output:

Heart rate range: 76 - 120

Average heart rate: 97.1667