CSE110: Programming Language I (Lab)
Summer 2025
Lab Exam - 01
Duration: 30 Minutes

A

Name:	ID:	Section:

Question 1 [CO1] [10 Points]

A sports coach evaluates an athlete's attendance and scores in three events to assign the competition category, considering consistency and peak performance. Write a Java program that takes four integers as user input: attendance percentage and scores for three different events.

- If attendance is not at least 70%, print **"Disqualified due to low attendance".**
- If any **individual event score** is below 50, print **"Needs Improvement in Event(s)"**
- Otherwise, calculate the total score by adding 50% of the highest score, 30% of the second highest, and 20% of the lowest score-
  - If the total is at least 85, print **"Selected for Advanced Category".**
  - If the total is between 70 and 84, print **"Selected for Intermediate Category".**
  - Otherwise, print **"Selected for Beginner Category".**

Sample Case 1	**Sample Case 2**
Test Data: 75 90 85 80	**Test Data:** 80 70 75 60
Expected Output: Selected for Advanced Category	**Expected Output:** Selected for Intermediate Category.
Explanation: Highest = 90,Second highest = 85 and Lowest = 80. Total = (90*0.5)+(85*0.3)+(80*0.2)=86.5 So, Selected for Advanced Category.	**Explanation:** Highest = 75,Second highest = 70, and Lowest = 60. Total = (75*0.5)+(70*0.3)+(60*0.2) = 70.5 So, Selected for Intermediate Category.