**Quantitative Assessment Practice - 1**

**Course Name: Advanced Programming (Java)**

**Current Week: 13th September 2024**

**Submission date: 24th September 2024**

1. How many hours did it take you to complete this assessment? (Please keep try to keep track of how many hours you have spent working on each individual part of this assessment as best you can - an estimation is fine; we just want a rough idea.)

It took me almost 3-4 hours to complete this assignment.

1. What online resources you have used? (My lectures, YouTube, Stack overflow etc.)

I only rewatched your lectures and just did weekly practice to complete the assignment.

1. Did you need to ask any of your friends in solving the problems. (If yes, please mention name of the friend. They must be amongst your class fellows.)

No, your lectures and weekly practice were enough to complete it.

1. Did you need to ask questions to any of your instructors? If so, how many questions did you ask (or how many help sessions did you require)?

No, everything was well taught, and material provided for pre-working was quite enough.

1. Rate (subjectively) the difficulty of each question from your own perspective, and whether you feel confident that you can solve a similar but different problem requiring some of the same techniques in the future now that you’ve completed this one.

**Problem 1: The Account Class**

**Difficulty Rating:** 4/5  
**Explanation:** This problem required me to work with object-oriented concepts like constructors, methods, and attributes. The most challenging part was implementing the transferTo method, but after going through the logic, I was able to solve it successfully. I feel quite confident that I can handle similar problems in the future, but this one took me some time to grasp fully.

**Problem 2: The Date Class**

**Difficulty Rating:** 2/5  
**Explanation:** After solving the first problem, this one was relatively straightforward. The use of basic getters, setters, and the toString() method felt familiar. I understood the requirements well and didn't face major challenges. I feel very confident that I can handle similar problems involving object-oriented programming.

**Problem 3: The Time Class**

**Difficulty Rating:** 1/5  
**Explanation:** By the time I reached this problem, I was already comfortable with the structure of the class and the methods. The task of creating two objects and using setter methods was clear, and I easily implemented the nextSecond() and previousSecond() methods. I felt very confident in solving this problem and applying the same techniques to other time-based tasks.

**A screenshot of a computer

Description automatically generatedScreenshots of Outputs:**

**A screenshot of a computer program

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**A screen shot of a computer

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