**Quantitative Assessment Practice - 1**

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

**Current Week: 27th September 2024**

**Submission date: 8th October 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.)

Problem #1 and Problem #2 took me around 2 hours to complete. However, I struggled with Problem #3 and spent additional time on it, approximately 4-5 hours in total.

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

I used a few online resources, primarily Stack Overflow and some tutorials I found through Google to understand how to write the Money class in Problem #3.

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, I didn’t ask any friends for help.

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: Easy. I feel confident solving similar problems in the future.

Problem #2: Easy. I can apply the techniques from this problem to similar tasks.

Problem #3: Hard. I initially got stuck while writing the **Money** class and had to refer to online resources for help. I'm not fully confident but feel better after completing the task.

**Problem#2  
Class MyRectangle**

|  |
| --- |
| MyRectangle |
| - topLeft: MyPoint  - bottomRight: MyPoint |
| + MyRectangle(int x1, int y1, int x2, int y2)  + MyRectangle(MyPoint topLeft, MyPoint bottomRight)  + getTopLeft(): MyPoint  + setTopLeft(topLeft: MyPoint): void  + getBottomRight(): MyPoint  + setBottomRight(bottomRight: MyPoint): void  + getLength(): double  + getWidth(): double  + getArea(): double  + getPerimeter(): double  + toString(): String |

**Screenshot of the running codes output**

**Problem#1**

A screenshot of a computer program

Description automatically generated

**Problem#2**

A black screen with white text

Description automatically generated

**Problem#3**

A screenshot of a computer

Description automatically generated