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.)

About 4 hours

Problem 1 – 1.5 hrs

Problem 2 – 1 hr

Problem 3 – 1.5

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

Youtube and your lectures.

3. 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

4. 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

5. 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.

5/10, Wasnt too difficult but struggled to start, but once I got a start it was pretty good

TestMyLine.java

```
PS C:\Users\jstri\OneDrive\Desktop\School\Semester 3\Java\QAP 2\Problem 1&2>  &
cal\Programs\Eclipse Adoptium\jdk-21.0.5.11-hotspot\bin\java.exe' '-XX:+ShowCod
' '-cp' 'C:\Users\jstri\AppData\Roaming\Code\User\workspaceStorage\6aba39b4b1ea
.java\jdt_ws\Problem 1&2_e08e3ecd\bin' 'TestMyLine'
Line: MyLine[begin=(1, 2), end=(4, 6)]
Line Length: 5.0
Gradient: 0.9272952180016122
PS C:\Users\jstri\OneDrive\Desktop\School\Semester 3\Java\QAP 2\Problem 1&2>
```

TestMyRectangle.java

```
PS C:\Users\jstri\OneDrive\Desktop\School\Semester 3\Java\QAP 2\Problem 1&2>  &
\jstri\AppData\Local\Programs\Eclipse Adoptium\jdk-21.0.5.11-hotspot\bin\java.ex
ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\jstri\AppData\Roaming\Code\U
paceStorage\6aba39b4b1ea39ddbec232e80b319b83\redhat.java\jdt_ws\Problem 1&2_e08e
 'TestMyRectangle'
Rectangle 1: MyRectangle[topLeft=(1, 5), bottomRight=(6, 1), width=5, height=4]
Area: 20
Perimeter: 18
Rectangle 2: MyRectangle[topLeft=(2, 8), bottomRight=(7, 3), width=5, height=5]
Area: 25
Perimeter: 20
PS C:\Users\jstri\OneDrive\Desktop\School\Semester 3\Java\QAP 2\Problem 1&2>
```

CreditCardDemo.java

```
PS C:\Users\jstri\OneDrive\Desktop\School\Semester 3\Java\QAP 2\Problem 3>
l\Programs\Eclipse Adoptium\jdk-21.0.5.11-hotspot\bin\java.exe' '-XX:+ShowCo
'-cp' 'C:\Users\jstri\AppData\Roaming\Code\User\workspaceStorage\9af6e860cc0
ava\jdt_ws\Problem 3_f26c643\bin' 'CreditCardDemo'
Diane Christie
237J Harvey Hall, Menomonie, WI 54751
Balance: $0.00
Credit Limit: $1000.00
Attempt to charge $200.00
Balance: $200.00
Attempt to charge $10.02
Balance: $210.02
Attempt to pay $25.00
Balance: $185.02
Attempt to charge $990.00
Charge denied: Exceeds credit limit
Balance: $185.02
PS C:\Users\jstri\OneDrive\Desktop\School\Semester 3\Java\QAP 2\Problem 3>
```