JAVA QAP1

Java Qap1- sd12 semester 3

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https://github.com/stepbad/qap1_java

Assessment Reflection

1. Time Spent

I estimate that it took me approximately 8 hours to complete this assessment. Here is a breakdown of the time spent on each part:

- Preparation and Research : 2 hours
- Question 1 : 2 hours
- Question 2: 2 hours
- Question 3: 2 hours

2. Online Resources Used

The online resources I used include:

- Lectures
- YouTube

3. Assistance from Friends

No, I did not ask for help from a friend. regarding any of the problems.

4. Inquiries to Instructors

I did not need to ask any questions to my instructors or require any help sessions for this assessment.
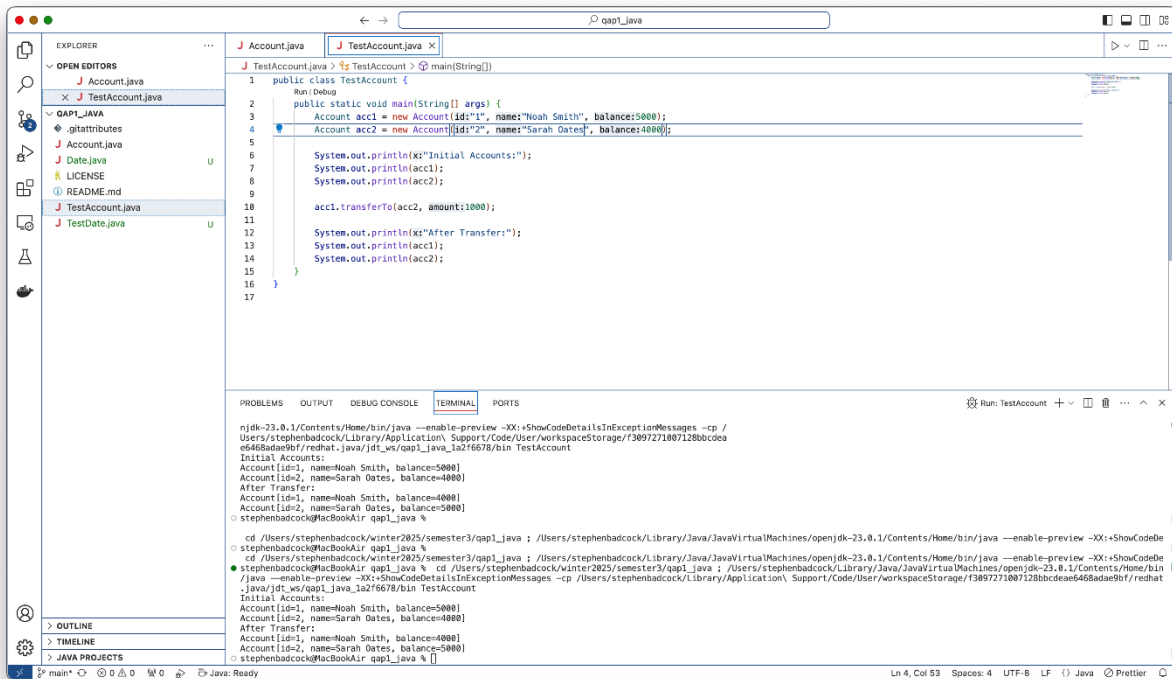
5. Difficulty and Confidence Ratings

- Question 1: Difficulty - 2/5, Confidence - 4/5
- Question 2: Difficulty - 3/5, Confidence - 4/5
- Question 3: Difficulty - 3/5, Confidence - 4/5

Overall, I feel reasonably confident that I can solve similar problems in the future using the techniques I have learned through this assessment.
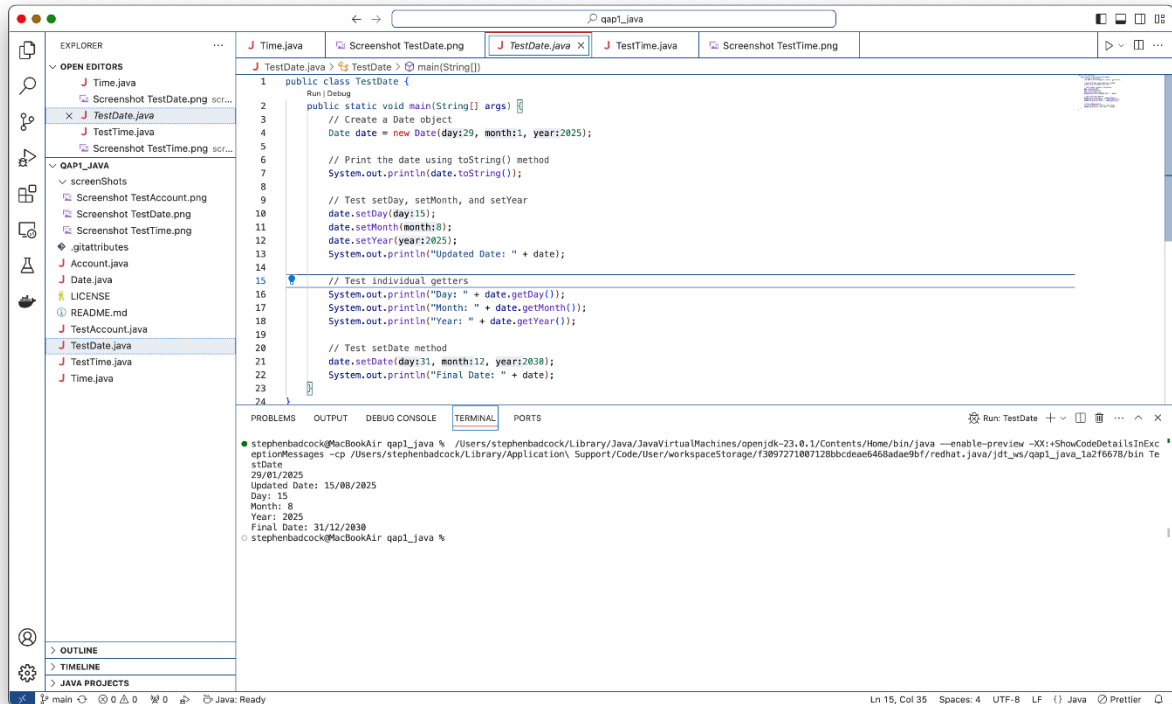
my screenshots :

TestAccount:

TestDate:

TestTime:


```java
public class TestTime {
    public static void main(String[] args) {

        System.out.println("Initial Times:");
        System.out.println("Time 1: " + t1);
        System.out.println("Time 2: " + t2);

        t1.nextSecond();
        t2.previousSecond();

        System.out.println("After Changes:");
        System.out.println("Time 1: " + t1);
        System.out.println("Time 2: " + t2);

        Time t3 = new Time(hour:21, minute:59, second:59);
        Time t4 = new Time(hour:10, minute:00, second:00);

        t3.nextSecond();
        t4.previousSecond();

        System.out.println("Really test next and previous:");
        System.out.println("new Time 3: " + t3);
        System.out.println("new Time 4: " + t4);
    }
}
```

Terminal output:

```
stephenbadcock@MacBookAir qap1_java % /Users/stephenbadcock/Library/Java/JavaVirtualMachines/openjdk-23.0.1/Contents/Home/bin/java —enable-preview -XX:+ShowCodeDetailsInExceptionMessages -cp /Users/stephenbadcock/Library/Application\ Support/Code/User/workspaceStorage/f3097271007128bbcdeae6468adae9bf/redhat.java/jdt_ws/qap1_java_1a2f6678/bin TestTime
Initial Times:
Time 1: 21:10:15
Time 2: 10:20:25
After Changes:
Time 1: 21:10:16
Time 2: 10:20:24
Really test next and previous:
new Time 3: 22:00:00
new Time 4: 09:59:59
stephenbadcock@MacBookAir qap1_java %
```