



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.

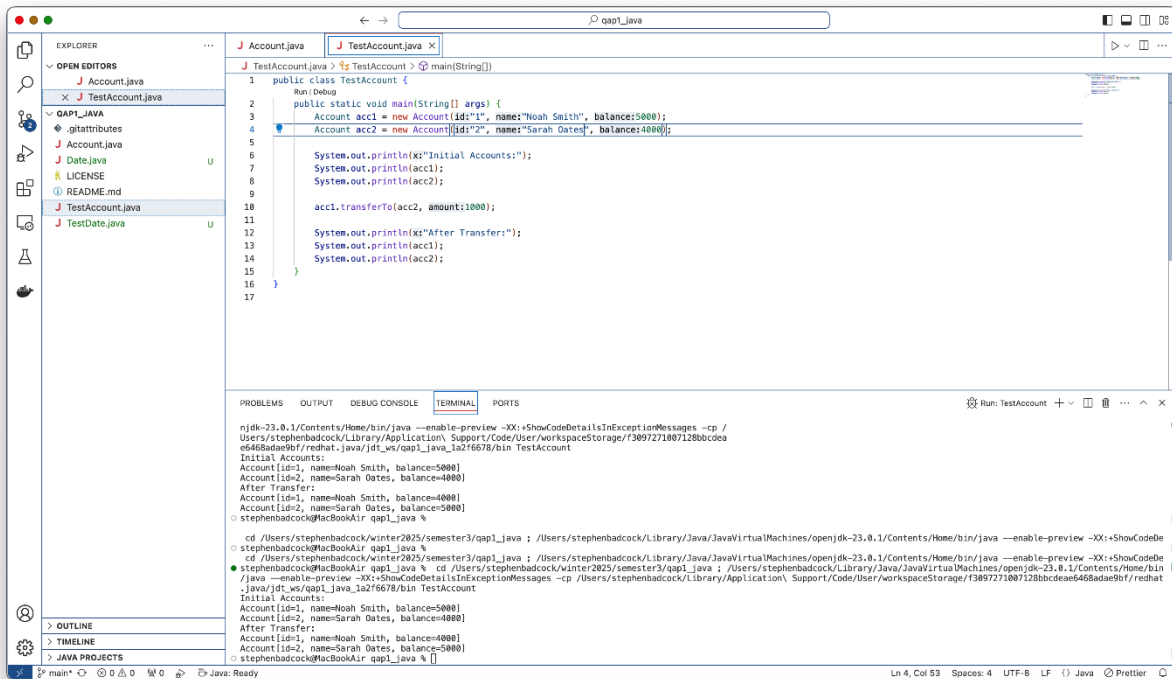
5. Difficulty and Confidence Ratings

- 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:



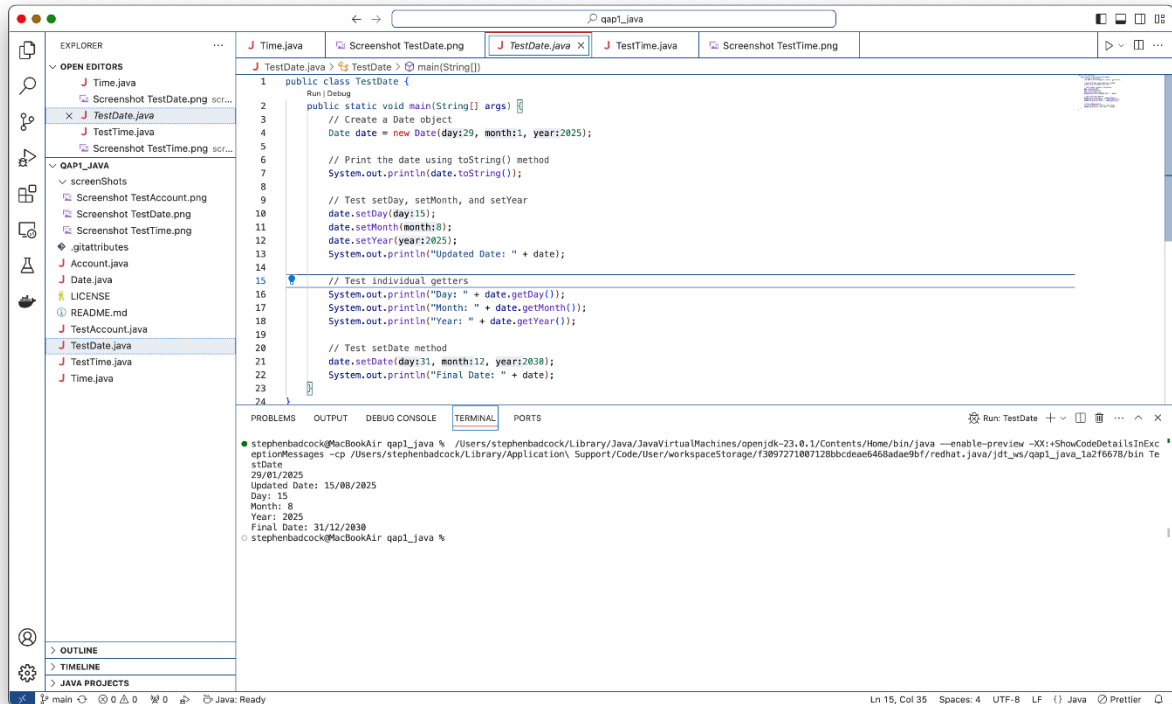
The screenshot shows an IDE with the file explorer on the left, the editor in the center, and the terminal at the bottom. The editor displays the `TestAccount.java` file, which contains a `TestAccount` class with a `main` method. The terminal shows the output of running the program, including the initial accounts, the transfer operation, and the final state of the accounts.

```
1 public class TestAccount {
2     public static void main(String[] args) {
3         Account acc1 = new Account(id:"1", name:"Noah Smith", balance:5000);
4         Account acc2 = new Account(id:"2", name:"Sarah Dates", balance:4000);
5
6         System.out.println("Initial Accounts:");
7         System.out.println(acc1);
8         System.out.println(acc2);
9
10        acc1.transferTo(acc2, amount:1000);
11
12        System.out.println("After Transfer:");
13        System.out.println(acc1);
14        System.out.println(acc2);
15    }
16 }
17
```

Terminal Output:

```
Initial Accounts:
Account[id=1, name=Noah Smith, balance=5000]
Account[id=2, name=Sarah Dates, balance=4000]
After Transfer:
Account[id=1, name=Noah Smith, balance=4000]
Account[id=2, name=Sarah Dates, balance=5000]
```

TestDate:



The screenshot shows an IDE with the file explorer on the left, the editor in the center, and the terminal at the bottom. The editor displays the `TestDate.java` file, which contains a `TestDate` class with a `main` method. The terminal shows the output of running the program, including the creation of a date object, setting the date, and printing the date using the `toString` method.

```
1 public class TestDate {
2     public static void main(String[] args) {
3         // Create a Date object
4         Date date = new Date(days:29, month:1, year:2025);
5
6         // Print the date using toString() method
7         System.out.println(date.toString());
8
9         // Test setDate, setMonth, and setYear
10        date.setDate(days:15);
11        date.setMonth(month:8);
12        date.setYear(year:2025);
13        System.out.println("Updated Date: " + date);
14
15        // Test individual getters
16        System.out.println("Day: " + date.getDay());
17        System.out.println("Month: " + date.getMonth());
18        System.out.println("Year: " + date.getYear());
19
20        // Test setDate method
21        date.setDate(days:31, month:12, year:2030);
22        System.out.println("Final Date: " + date);
23    }
24 }
```

Terminal Output:

```
Updated Date: 29/01/2025
Day: 15
Month: 8
Year: 2025
Final Date: 31/12/2030
```

TestTime:

