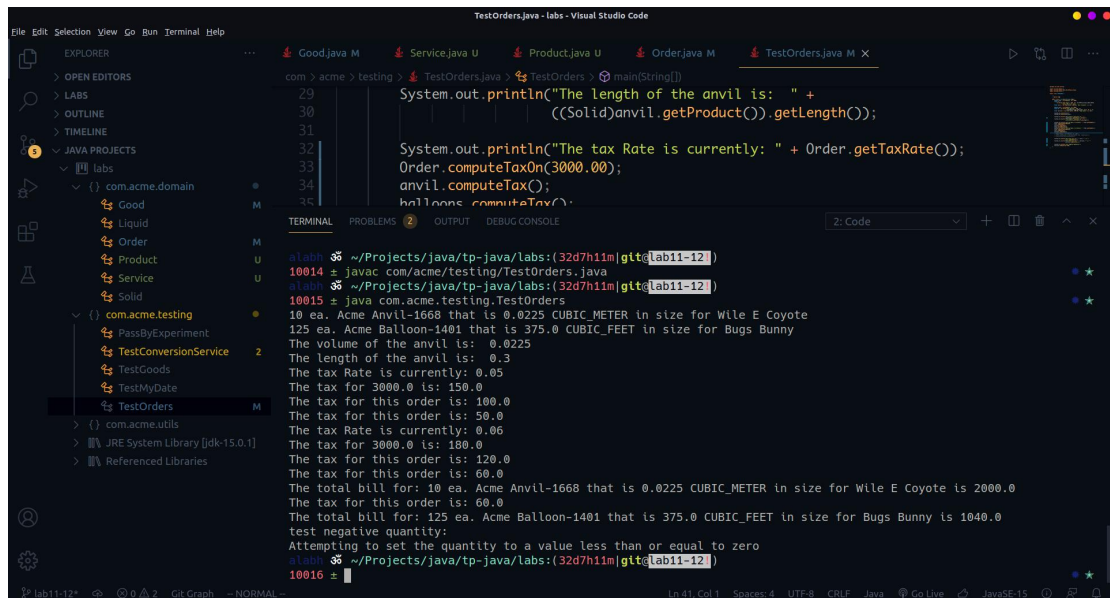


Compte Rendu java Lab 11/12

Realise par: Ala Ben Hamouda GL2 Grp 1

Question 4.4: Use of Product interface

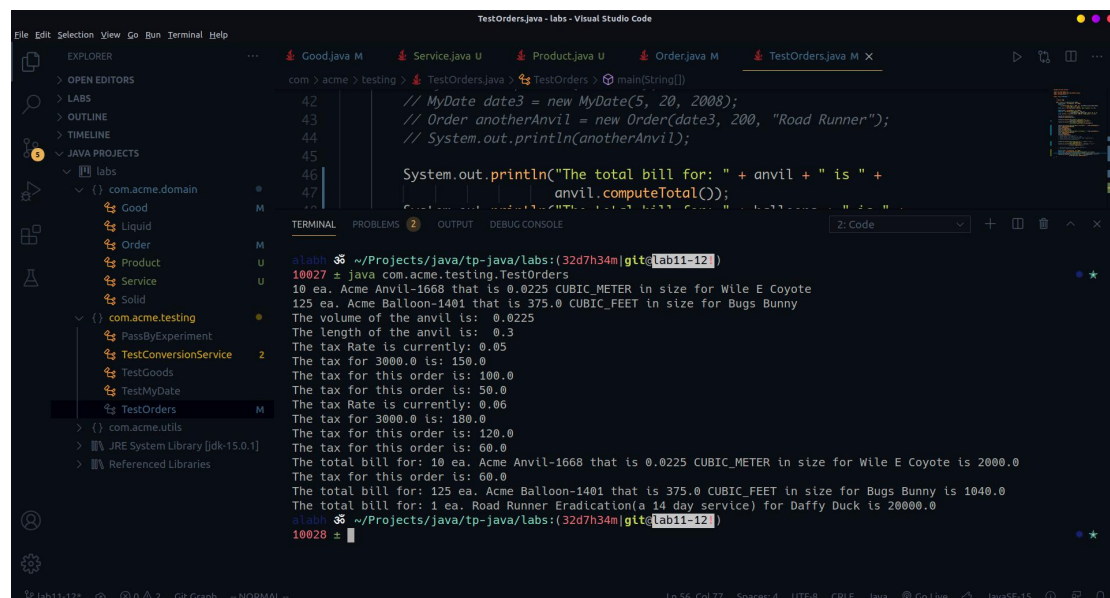


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TestOrders.java - labs - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
> OPEN EDITORS
> LABS
> OUTLINE
> TIMELINE
> JAVA PROJECTS
  > labs
    > com.acme.domain
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      > Liquid
      > Order
      > Product
      > Service
      > Solid
    > com.acme.testing
      > PassByExperiment
      > TestConversionService
      > TestGoods
      > TestMyDate
      > TestOrders
    > com.acme.utils
    > JRE System Library [jdk-15.0.1]
    > Referenced Libraries
  > com.acme.domain
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    > PassByExperiment
    > TestConversionService
    > TestGoods
    > TestMyDate
    > TestOrders
  > com.acme.utils
  > JRE System Library [jdk-15.0.1]
  > Referenced Libraries

com > acme > testing > TestOrders.java > TestOrders > main(String[])
29      System.out.println("The length of the anvil is: " +
30                          ((Solid)anvil.getProduct()).getLength());
31
32      System.out.println("The tax Rate is currently: " + Order.getTaxRate());
33      Order.computeTaxOn(3000.00);
34      anvil.computeTax();
35      hallonns computeTax();

TERMINAL
PROBLEMS 2 OUTPUT DEBUG CONSOLE
2: Code
alab11-12* 35 ~/Projects/java/tp-java/labs:(32d7h11m)gitg[lab11-12]
10014 ± javac com/acme/testing/TestOrders.java
alab11-12* 35 ~/Projects/java/tp-java/labs:(32d7h11m)gitg[lab11-12]
10015 ± java com.acme.testing.TestOrders
10 ea. Acme Anvil-1668 that is 0.0225 CUBIC_METER in size for Wile E Coyote
125 ea. Acme Balloon-1401 that is 375.0 CUBIC_FEET in size for Bugs Bunny
The volume of the anvil is: 0.0225
The length of the anvil is: 0.3
The tax Rate is currently: 0.05
The tax for 3000.0 is: 150.0
The tax for this order is: 100.0
The tax for this order is: 50.0
The tax Rate is currently: 0.06
The tax for 3000.0 is: 180.0
The tax for this order is: 120.0
The tax for this order is: 60.0
The total bill for: 10 ea. Acme Anvil-1668 that is 0.0225 CUBIC_METER in size for Wile E Coyote is 2000.0
The tax for this order is: 60.0
The total bill for: 125 ea. Acme Balloon-1401 that is 375.0 CUBIC_FEET in size for Bugs Bunny is 1040.0
test negative quantity:
Attempting to set the quantity to a value less than or equal to zero
alab11-12* 35 ~/Projects/java/tp-java/labs:(32d7h11m)gitg[lab11-12]
10016 ±
```

Question 5.3: Add service order



```
TestOrders.java - labs - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
> OPEN EDITORS
> LABS
> OUTLINE
> TIMELINE
> JAVA PROJECTS
  > labs
    > com.acme.domain
      > Good
      > Liquid
      > Order
      > Product
      > Service
      > Solid
    > com.acme.testing
      > PassByExperiment
      > TestConversionService
      > TestGoods
      > TestMyDate
      > TestOrders
    > com.acme.utils
    > JRE System Library [jdk-15.0.1]
    > Referenced Libraries
  > com.acme.domain
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    > TestConversionService
    > TestGoods
    > TestMyDate
    > TestOrders
  > com.acme.utils
  > JRE System Library [jdk-15.0.1]
  > Referenced Libraries

com > acme > testing > TestOrders.java > TestOrders > main(String[])
42      // MyDate date3 = new MyDate(5, 20, 2008);
43      // Order anotherAnvil = new Order(date3, 200, "Road Runner");
44      // System.out.println(anotherAnvil);
45
46      System.out.println("The total bill for: " + anvil + " is " +
47                          anvil.computeTotal());

TERMINAL
PROBLEMS 2 OUTPUT DEBUG CONSOLE
2: Code
alab11-12* 35 ~/Projects/java/tp-java/labs:(32d7h34m)gitg[lab11-12]
10027 ± java com.acme.testing.TestOrders
10 ea. Acme Anvil-1668 that is 0.0225 CUBIC_METER in size for Wile E Coyote
125 ea. Acme Balloon-1401 that is 375.0 CUBIC_FEET in size for Bugs Bunny
The volume of the anvil is: 0.0225
The length of the anvil is: 0.3
The tax Rate is currently: 0.05
The tax for 3000.0 is: 150.0
The tax for this order is: 100.0
The tax for this order is: 50.0
The tax Rate is currently: 0.06
The tax for 3000.0 is: 180.0
The tax for this order is: 120.0
The tax for this order is: 60.0
The total bill for: 10 ea. Acme Anvil-1668 that is 0.0225 CUBIC_METER in size for Wile E Coyote is 2000.0
The tax for this order is: 60.0
The total bill for: 125 ea. Acme Balloon-1401 that is 375.0 CUBIC_FEET in size for Bugs Bunny is 1040.0
The total bill for: 1 ea. Road Runner Eradication(a 14 day service) for Daffy Duck is 2000.0
alab11-12* 35 ~/Projects/java/tp-java/labs:(32d7h34m)gitg[lab11-12]
10028 ±
```

Lab 12:

The screenshot shows the Visual Studio Code interface with a Java project. The Explorer sidebar on the left shows the project structure, including a package `com.acme.testing` with a file `TestOrders.java`. The main editor displays the code for `TestOrders.java`, which includes the following code:

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The code in `TestOrders.java` is as follows:

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The output of the test is shown in the terminal:

```
com/acme/domain/Product.java  
com/acme/domain/Service.java  
alabh 10032 ± ~/Projects/java/tp-java/labs:(0m|git@lab11-12)  
10032 ± javac com/acme/testing/TestOrders.java  
alabh 10033 ± ~/Projects/java/tp-java/labs:(14m|git@lab11-12)  
10033 ± java com.acme.testing.TestOrders  
10 ea. Acme Anvil-1668 that is 0.0225 CUBIC_METER in size for Wile E Coyote  
125 ea. Acme Balloon-1401 that is 375.0 CUBIC_FEET in size for Bugs Bunny  
Anvil isPriorityOrder: true  
Balloons isPriorityOrder: false  
alabh 10034 ± ~/Projects/java/tp-java/labs:(14m|git@lab11-12)
```