

Testing Spring

Beginner to Guru

TDD 14 - Change



TDD To-Do List

•
$$$5 + 10 CHF = $10 (with rate of 2:1)$$

•
$$$5 + $5 = $10$$

• Return Money from \$5 + \$5

Reduce Money with Conversion

- Bank.reduce(Money)
- •\$5*2=\$10
- Make "amount" private

- Dollar side effects?
- Money Rounding?
- equals()
- hashCode()
- Equal Null Equal Object
- 5 CHF * 2 = 10 CHF
- Dollar/Franc Duplication

- Common equals()
- Common times()
- Compare Francs With Dollars
- Currency
- Delete testFrancMultiplication?





Tasks

- Create object 'Pair' to represent currency pairs
 - Will need Equals and Hashcode since object will be used as key
- Add rate to Bank From Currency, To Currency, conversion rate
 - Examples in book use HashTable circa Java 1.2
 - We will implement using HashMap (Threadsafety not needed in our example)
 - If Threadsafety was needed, we could use ConcurrentHashMap
 - Need method to return rate for given from / to currency codes
 - Need Add rate method





Tasks

- Change Expression.reduce method to accept bank
 - Change Money / Sum reduce methods to accept Bank parameter in reduce method
 - Change Money to use rate in reduce method





SPRING FRAMEWORK





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$$•$5 + $5 = $10$$

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