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Idea

Trollies need some upgrade.

Details:

- Thing... boolean equals(Object o)
 - o returns true, if object is of equal class and name
 - o overrides equals() of class Object
- Trolly... boolean isInTrolly(Thing thing)
 - o returns true, if a thing with equal class and name is in trolly
 - o see also equals() of class Thing
- Trolly... void removeThing(Thing thing)
 - o removes thing if it is in trolly and
 - o closes the gap (if any)
 - o if thing not found sets error-attribute to "not found ..." (see protocol)
- Trolly... String calculateGain()
 - o a customer can win a prize under certain conditions:
 - o if today's weekday equals at least the weekday of one bestbefore and
 - o not more than one heavy thing is in the trolly
 - o outcome either:
 - YOU WON! today is THURSDAY, supermarket.LightThing: ... and ... heavy things or
 - o today is THURSDAY, nothing appropriate in trolly (see protocol)

Hints

LocalDate...for handling date-objects

static LocalDate now()
Obtains the current date from the system clock in the default time-zone.

Enum DayOfWeek

FRIDAY, MONDAY, ...

DayOfWeek getDayOfWeek()

Gets the day-of-week field, which is an enum DayOfWeek.

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test-protocol:

```
-----test is in trollv-----
true=>true
true=>true
true=>true
false=>false
false=>false
-----end test is in trolly-----
-----test remove from trolly-----
----- remove Leberwurst
class supermarket. Trolly is SMALL with 3 different light things 0 different heavy things
  - supermarket.LightThing: Metwurst, 4, 11 EUR/unit, Sunday, 02 Dec 2012
  - supermarket.LightThing: Kaeswurst, 5, 12 EUR/unit, Tuesday, 25 Oct 2016
- supermarket.LightThing: Salamiwurst, 2, 13 EUR/unit, Thursday, 06 Dec 2012
----- remove not existing Kaeswurs
***** error with remove: not found supermarket.LightThing: Kaeswurs, 0, 0 EUR/unit, Thursday, 01 Jan 2099
class supermarket. Trolly is SMALL with 3 different light things 0 different heavy things
   - supermarket.LightThing: Metwurst, 4, 11 EUR/unit, Sunday, 02 Dec 2012
  - supermarket.LightThing: Kaeswurst, 5, 12 EUR/unit, Tuesday, 25 Oct 2016
   - supermarket.LightThing: Salamiwurst, 2, 13 EUR/unit, Thursday, 06 Dec 2012
  ----- remove Kaeswurst
class supermarket. Trolly is SMALL with 2 different light things 0 different heavy things
   - supermarket.LightThing: Metwurst, 4, 11 EUR/unit, Sunday, 02 Dec 2012
  - supermarket.LightThing: Salamiwurst, 2, 13 EUR/unit, Thursday, 06 Dec 2012
      ----- remove Salamiwurst
class supermarket. Trolly is SMALL with 1 different light things 0 different heavy things
  - supermarket.LightThing: Metwurst, 4, 11 EUR/unit, Sunday, 02 Dec 2012
----- remove Metwurst
class supermarket. Trolly is SMALL with 0 different light things 0 different heavy things
----- remove again Metwurst
***** error with remove: not found supermarket.LightThing: Metwurst, 0, 0 EUR/unit, Thursday, 01 Jan 2099
class supermarket. Trolly is SMALL with 0 different light things 0 different heavy things
 -----end test remove from trolly------
-----test gain-----
class supermarket. Trolly is SMALL with 4 different light things 0 different heavy things
   - supermarket.LightThing: Leberwurst, 3, 10 EUR/unit, Saturday, 01 Dec 2012
   - supermarket.LightThing: Metwurst, 4, 11 EUR/unit, Sunday, 02 Dec 2012
   - supermarket.LightThing: Kaeswurst, 5, 12 EUR/unit, Tuesday, 25 Oct 2016 - supermarket.LightThing: Salamiwurst, 2, 13 EUR/unit, Thursday, 06 Dec 2012
YOU WON! today is THURSDAY, supermarket.LightThing: Salamiwurst, 2, 13 EUR/unit, Thursday, 06 Dec 2012 and 0
heavy things
class supermarket. Trolly is MEDIUM with 2 different light things 1 different heavy things
   - supermarket.LightThing: Leberwurst, 13, 10 EUR/unit, Saturday, 01 Dec 2012
   - supermarket.HeavyThing: Bierkiste, 2, 20 EUR/unit, 12
   - supermarket.LightThing: Semmel, 13, 10 EUR/unit, Friday, 30 Nov 2012
today is THURSDAY, nothing appropriate in trolly
class supermarket. Trolly is BIG with 2 different light things 2 different heavy things
   - supermarket.LightThing: Leberwurst, 13, 10 EUR/unit, Tuesday, 25 Oct 2016
   - supermarket.HeavyThing: Bierkiste, 2, 20 EUR/unit, 12
   - supermarket.LightThing: Semmel, 13, 10 EUR/unit, Thursday, 27 Oct 2016
   - supermarket.HeavyThing: Erdaepfelkiste, 2, 20 EUR/unit, 12
today is THURSDAY, nothing appropriate in trolly
-----end test gain-----
```

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