



**Learning Object-Oriented
Programming and Design with TDD**

Exercises for Essence of Dispatch

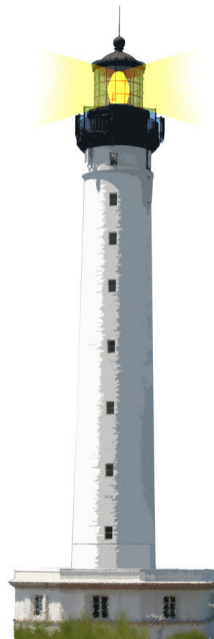
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W3S7



Three Questions

1. Implement `not`
2. Implement `|` (or) and `ifTrue:ifFalse:`
3. What is the goal of these exercises?



Exercise 1: Implement not

Propose an implementation of `not` in a world where:

- You have: `true`, `false`
- You only have objects and messages
- How would you implement: `not`?

```
false not  
-> true
```

```
true not  
-> false
```

Exercise 2: Implement | (or)

Propose an implementation of `or` in a world where:

- You have: `true`, `false`
- You only have objects and messages
- How would you implement: `not`?

```
true | true -> true  
true | false -> true  
true | anything -> true
```

```
false | true -> true  
false | false -> false  
false | anything -> anything
```



Exercise 3: Why These Exercises?

- You are never going to implement Booleans in your life
- So why do we think these exercises are so important?



A course by Stéphane Ducasse
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Reusing some parts of the Pharo Mocc by

Damien Cassou, Stéphane Ducasse, Luc Fabresse
<http://mocc.pharo.org>



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