

## Day 3 Lesson Plan

### Activity 1:

Introduction to refactoring. Part 3

- Activity 2-2 notes<sup>1</sup>
- Activity 2-2 handout<sup>2</sup>

### Activity 2:

- Activity 3-1<sup>3</sup>
- Activity 3-1 handout<sup>4</sup>

### Lunch

- Get Lunch
- Video (Comments/Form)

### Activity 3:

- Second part of prime generator refactoring.<sup>5</sup>
- Third part of prime generator refactoring.<sup>6</sup>

### Activity 4:

Discussion of basic function structure concepts and reasons behind them:

- Number of arguments kept small
- Avoiding boolean arguments
- Command-query separation
- Null?
- notes<sup>7</sup>

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<sup>1</sup> [../activities/activity2-2refactoringIntro.html](#)

<sup>2</sup> [../activities/activity2-2refactoringHandout.html](#)

<sup>3</sup> [../activities/activity3-1functionStructureExample.html](#)

<sup>4</sup> [../activities/activity3-1functionStructureHandout.html](#)

<sup>5</sup> [../activities/activity2-5aRefactoringPrimesGeneratorPart2.html](#)

<sup>6</sup> [../activities/activity2-5bRefactoringPrimesGeneratorPart3.html](#)

<sup>7</sup> [../activities/activity3-2functionStructure.html](#)

## Activity 5:

- code smells<sup>8</sup>

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<sup>8</sup>[../activities/activity3-3codeSmells.html](https://github.com/GoogleCloudPlatform/terraform-docs/blob/master/activities/activity3-3codeSmells.html)