Transformation Priority Premise

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CSS Versicherung - INTRAS - ARCOSANA

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What is TPP

- It gives you a guidance on how to apply small transformations to the code
- TPP avoids that you take to big steps in TDD
- Transformations on the top of the list should be preferred to those that are lower
- red -> green -> refactor

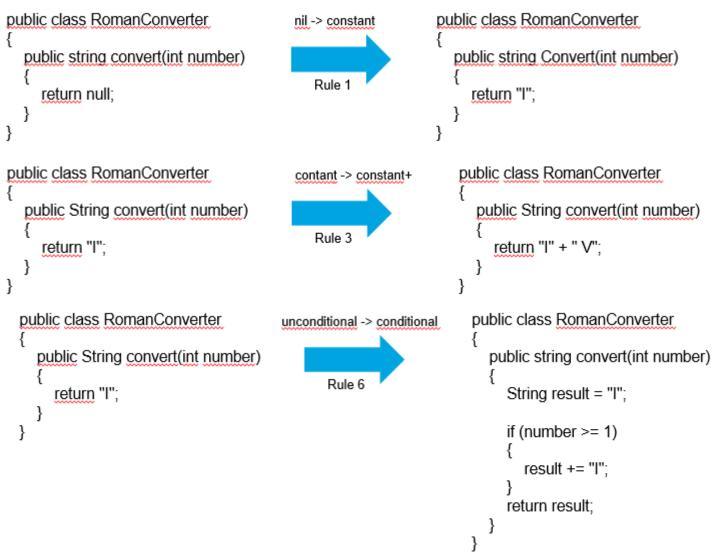
Transformation List

#	TRANSFORMATION	STARTING CODE
1	{} => nil	
2	nil => constant	return nil
3	constant => constant+	return "1"
4	constant => scalar	return "1" + "2"
5	statement => statements	return argument
6	unconditional => conditional	return arguments
7	scalar => array	dog
8	array => container	[dog, cat]
9	statement => tail recursion	a + b
10	conditional => loop	if(condition)
11	tail recursion => full recursion	a + recursion
12	expression => function	today - birthday
13	variable => mutation	day
14	switch case	

FINALCODE return nil return "1" turn "1" return "1" + "2" turn "1" + "2" return argument return arguments turn argument turn arguments if (condition) return arguments [dog, cat] og, cat] $\{ dog = "DOG", cat = "CAT" \}$ a + recursion (condition) while (condition) + recursion recursion day - birthday CalculateAge() var day = 10; day = 11;

The List is ordered by ascending complexity from top to down. Transformations on top of the List should be preferred.

Examples



Examples

```
public class RomanConverter
                                                                    public class RomanConverter
                                          scalar -> array
public String convert(int number)
                                                                       private String[] result = { "I", "II", "III" };
                                             Rule 7
   String result = "I";
                                                                       public String Convert(int number)
   if (number > 1)
                                                                         return result[number - 1];
      result += "I";
                                                                       }
                                                                    }
   if (number > 2)
      result += "I";
   }
   return result;
```

} }

Review

- In the beginning I didn't realise what TPP is good for
- Good Kata RomanNumbers
- Always have a look to the transformation list
- Code turned better after using TPP

