



 **EGF Exercices – Pattern – UC2**  
**EGF 0.4.0**

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## Understanding how to develop patterns with EGF

### Correction of the exercices

- ▶ Download the `org.eclipse.egf.usecase.pattern.uc2.zip` file on the [EGF wiki](#)

### Prerequisite

- ▶ Installation of Eclipse 3.6 and egf 0.4.0
- ▶ Read the EGF Tutorial
- ▶ Read the « reuse and customization » EGF tutorial



## Problem Statement

- ▶ Writing a first factory component *Pattern\_UC2\_1\_Main*:
  - ▶ containing two patterns for class and attribute
  - ▶ which displays for each class and attribute of an ecore file a message like  
« Class [Class name]: Main: [Attribute name]\_attribute »
- ▶ Next, writing a second factory component *Pattern\_UC2\_1\_SinglePatternSubstitution* which:
  - ▶ redefines the attribute pattern
  - ▶ displays for each class and attribute of an ecore file a message like  
« Class [Class name]: Sub1:[Attribute name]\_attribute »

## Learning

- ▶ Understanding the mechanism of Pattern substitution

## Difficulty

- ▶ 3/5

## Correction

- ▶ *Pattern\_UC2\_1\_SinglePatternSubstitution.fcore*

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## Problem Statement

- ▶ Writing a factory component *Pattern\_UC2\_2\_MergingPatternSubstitution*:
  - ▶ containing two patterns for class and attribute
  - ▶ which displays for each class and attribute of an ecore file a message like  
« Sub2 Class [Class name]: Sub1:[Attribute name]\_attribute+Sub2 »

## Learning

- ▶ Understanding the merge of Pattern substitution

## Difficulty

- ▶ 3/5

## Correction

- ▶ `Pattern_UC2_2_MergingPatternSubstitution.fcore`