

```

1 refactoringModel {
...
4 refactoringLibraries {
5   name : FineGrainedRefactoring
6   shortDescription : "contains a set of refactorings"
7   description : "refactorings"
8   catalog {
9     name : FowlersRefactoring
10    author : Rafael
11    refactoring {
12      name : renameStorableUnit
13      motivation : "The name of a StorableUnit does not reveal its purpose."
14      summary : "Summary"
15      operation {
16        language : ATL
17        body : {
18          "-- @atlcompiler atl2010
19          -- @nsURI MM=http://www.eclipse.org/MoDisco/kdm/code
20          module renameAttribute;
21          create OUT : MM refining IN : MM;
22          rule renameAttribute {
23            from
24              s : MM!StorableUnit (thisModule.getClassUnitContainer(s).name = '#parameter0'
25              and s.name = '#parameter1')
26            using {
27              newName : String = '#parameter2';
28            }
29            to
30              t : MM!StorableUnit (
31                name <- newName)
32          }
33          helper def : getClassUnitContainer (attribute : MM!StorableUnit) :
34            MM!ClassUnit = attribute.refImmediateComposite(),"
35        }
36      }
37      precondition {
38        context : "StorableUnit"
39        language : OCL
40        body : {
41          "#parameter1 <> parameter2 and c.allConflictingNames()->excludes(#parameter2)"
42        }
43      }
44    }
45  }
46 }

```