```
 2  * generated by Xtext 2.26.0
 4 package dk.sdu.mmmi.mdsd.validation
 5
 6 import dk.sdu.mmmi.mdsd.math.*
 9
10 /**
11  * This class contains custom validation rules.
12  *
13  * See https://www.eclipse.org/Xtext/documentation/
   303_runtime_concepts.html#validation
14  */
15 class MathValidator extends AbstractMathValidator {
16
17 //   public static val INVALID_NAME = 'invalidName'
18 //
19 //   @Check
20 //   def checkGreetingStartsWithCapital(Greeting greeting) {
21 //       if (!Character.isUpperCase(greeting.name.charAt(0))) {
22 //           warning('Name should start with a capital',
23 //                   MathPackage.Literals.GREETING__NAME,
24 //                   INVALID_NAME)
25 //       }
26 //   }
27
28     public static val DUPLICATE_NAME = 'duplicateName'
29
30     @Check
31     def GlobalVarDuplicate(VariableAssignment varAss){
32         var base = EcoreUtil2.getContainerOfType(varAss, Program)
33         if(base.variableAssignments.filter[it !== varAss && it.name ==
   varAss.name ].toList.size > 0){
34             println("Should have err")
35             error('Global variables cannot be assigned with the same name',
   MathPackage.Literals.VARIABLE__NAME, DUPLICATE_NAME)
36         }
37     }
38
39     public static val WRONG_PARAMETER_COUNT = 'wrongParamaterCount'
40
41     @Check
42     def ValidateExternalParameterCount(ExternalUse use){
43         var parent = use.ref
44         if (parent.parameters.length() !== use.exp.length()){
45             error('Call to external function with incorrect number of
   parameters', MathPackage.Literals.EXTERNAL_USE__EXP, WRONG_PARAMETER_COUNT)
46         }
47     }
48
```

```
49 }
50
```