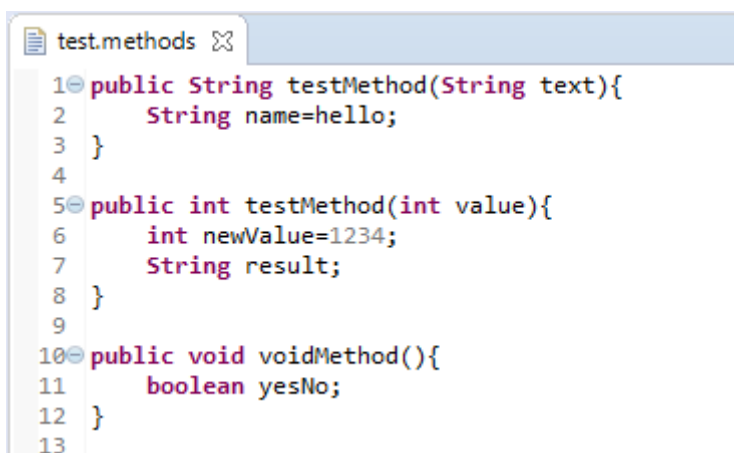


Exercise

Create a new project according to the following steps:

1. Start Eclipse and navigate to **File | New | Project....** In the dialog, navigate to the Xtext category and select Xtext Project.
2. In the next dialog, you should specify the following names:
 - **Project name:** org.example.methods
 - **Name:** org.example.methods.Methods
 - **Extensions:** methods
3. Press Finish.
4. After the five projects are created, go to the project org.example.methods and open the document **Methods.xtext** (here you can write the grammar)

Write a DSL for simple java methods. With the grammar it should be possible to write methods, as in the picture below.



```

1 public String testMethod(String text){
2     String name=hello;
3 }
4
5 public int testMethod(int value){
6     int newValue=1234;
7     String result;
8 }
9
10 public void voidMethod(){
11     boolean yesNo;
12 }
13
  
```

Useful information:

- after every grammar change, the mwe2-file must be restarted to update the created document
- if you have written a grammar you want to test, start a new eclipse instance.
 - Right-click on the project **org.example.methods** → **Run As** → **Eclipse Application**
 - Create a new General project (name is not important)
 - Create a new File in this project **IMPORTANT** is the extension of this file must be **methods**
 - As soon as the file is created, it will be opened in a text editor, and you will be asked to convert the project to an Xtext project. You should accept that to make your DSL editor work correctly in Eclipse.
- if the window with problems appears you can ignore this and continue
- in the terminals you can see the grammar rules for common things such as quoted strings, numbers and comments