

User manual

This manual explains how to install the IntelliJJML plugin.

Step 1 - Download the plugin Download the plugin and place it somewhere where it can be found again later.

Step 2 - Go to IntelliJ settings Open IntelliJ. In the top left of the window, click on **File**. In the drop-down menu, click on **Settings...**

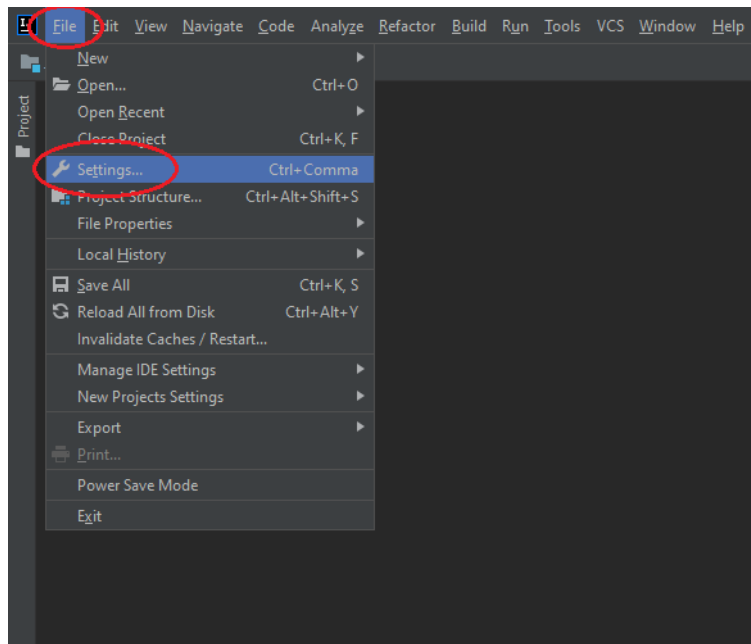


Figure 1: Finding the settings

Step 3 - Go to plugin settings In the left panel in the settings window click on **Plugins**. When all plugins are visible, click on the cogwheel on the top-right next to **Marketplace** and **Installed** (see the red circle in figure 2).

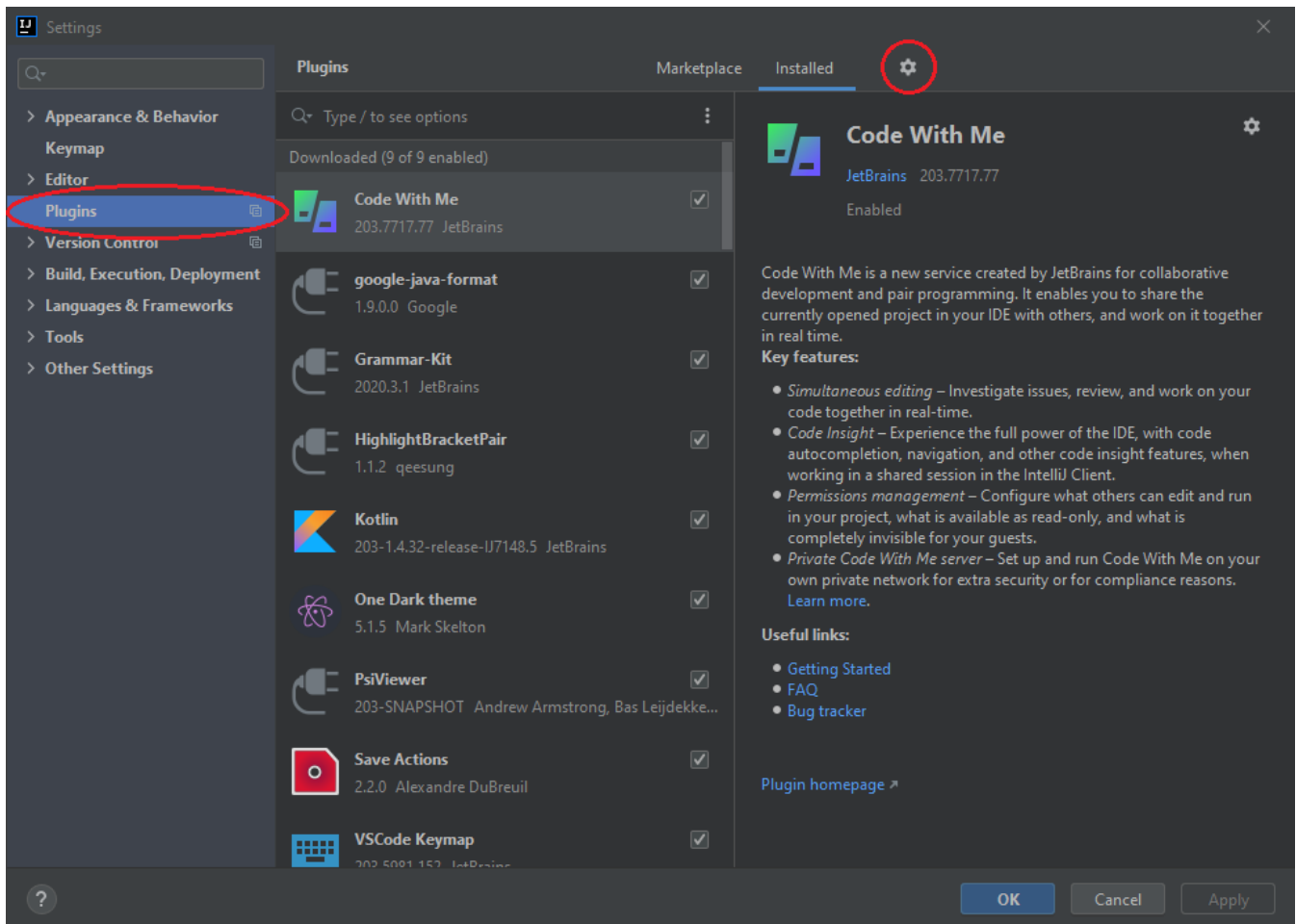


Figure 2: Finding plugin settings

Step 4 - Installing the plugin After clicking on the cogwheel, select Install plugin from Disk... This should open a window with a directory tree. Find the plugin file where you saved it beforehand and select it. Then click OK to install it.

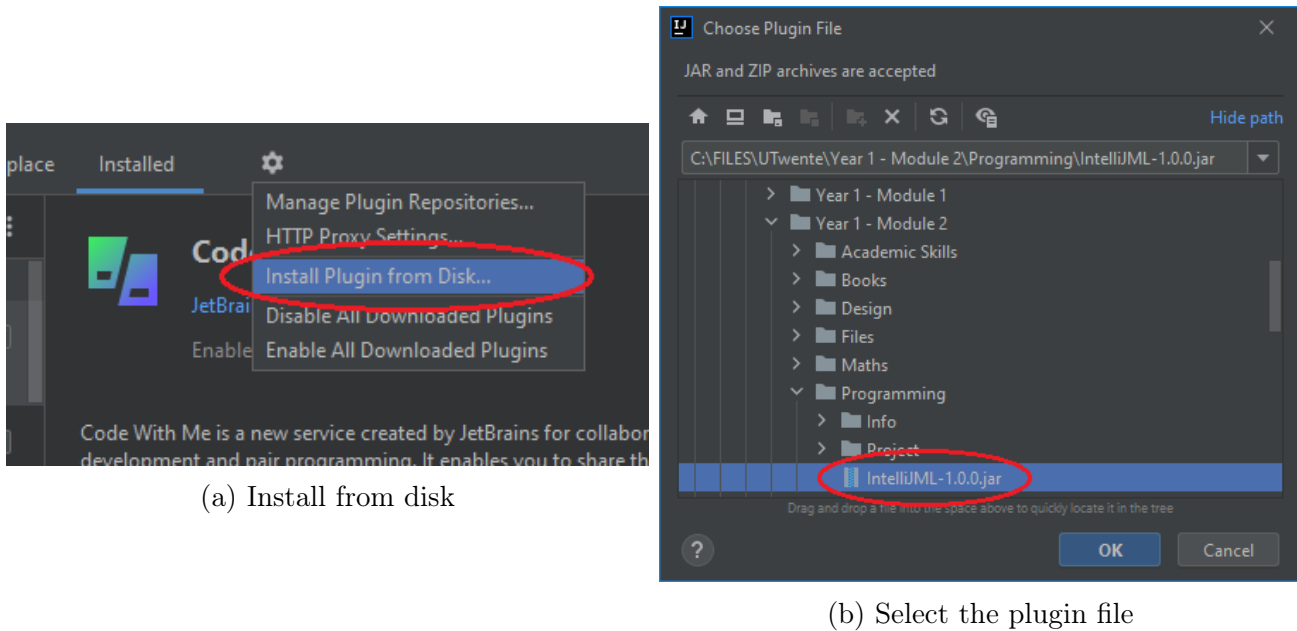


Figure 3: Installing the plugin

Step 5 - Applying changes In the bottom-right of the settings window, click on **Apply** to tell IntelliJ to save the plugin installation. Then click **OK** to close the settings window.

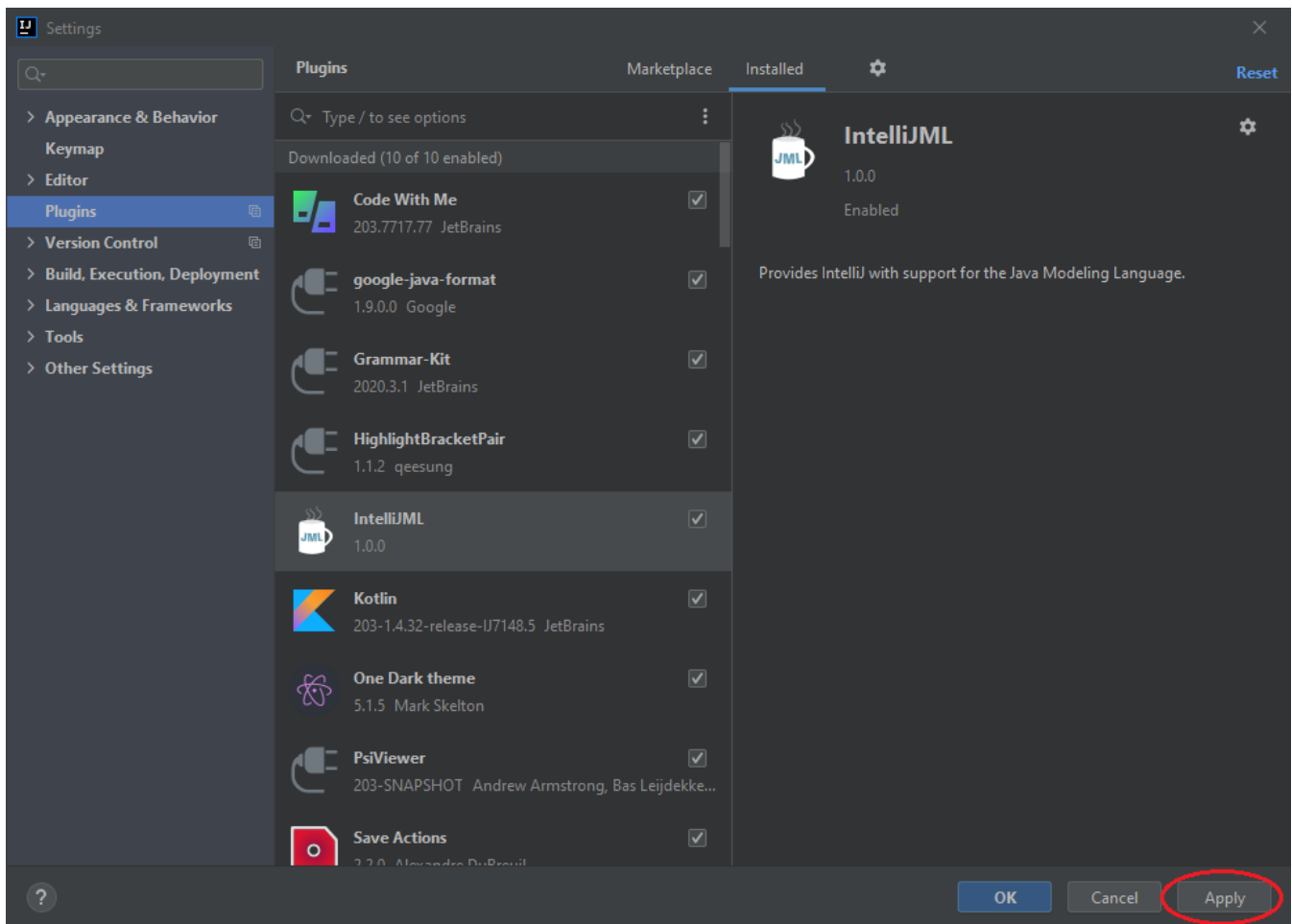
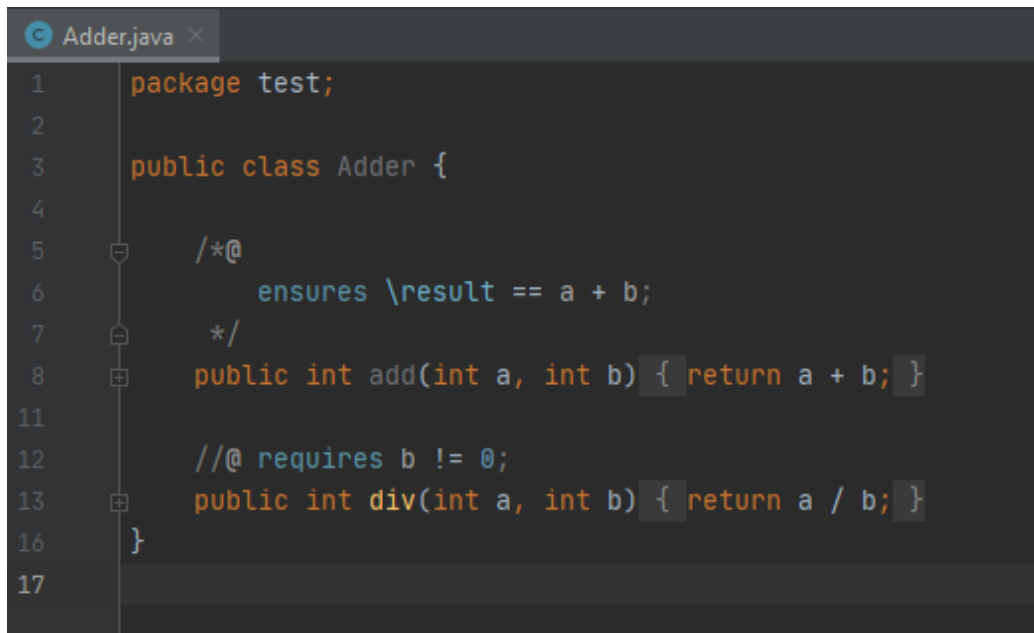


Figure 4: Applying changes

Step 6 - Writing JML Open a Java class and start writing JML by typing `/*@` and pressing the Enter key for a multi-line JML comment, or `//@` for a single-line JML comment. If the syntax of the JML is correct, keywords such as `requires` will be highlighted in blue, as can be seen in figure 5.



```
1 package test;
2
3 public class Adder {
4
5     /*@
6         ensures \result == a + b;
7     */
8     public int add(int a, int b) { return a + b; }
11
12     //@ requires b != 0;
13     public int div(int a, int b) { return a / b; }
16 }
17
```

Figure 5: Writing JML