



Installation guide

Program to download and install:

- Java Development Kit (JDK)
- Greenfoot

Download and install Java:

1. Start with checking if you already have Java installed, and in that case what version you have. You can see this through terminal (Mac) or the command prompt (Windows). A terminal/command prompt is a window where you can write commands to the computer. With this it is possible to perform things without using a GUI (graphical user interface). Follow the instructions to find out if you have Java:
 - a. **Start the command prompt in Windows 7/10**
In Windows 7/10 you start the command prompt by pressing Start, write cmd in the field *Search programs and files* and then press enter.
You can also start the command prompt by choosing *Start -> All Programs -> Accessories -> Command Prompt*.
 - b. **Mac:**
Press on the magnifier (Spotlight) and write *terminal*. Press on the first match that appears. You can also start terminal through *Finder by Program -> Utilities -> Terminal*.
 - c. **Linux/Ubuntu**
Open up a terminal window using key shortcut `Ctrl-T`
2. When you have activated the terminal/command prompt according to the instructions above, a window will pop up. It is in this window you can write commands to the computer. To run a command press enter.
3. In the terminal or the command prompt type `java -version`. In the window you will see which Java version you have. If nothing pops up you do not have Java installed on your computer.

```
Kommandotolken
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. Med ensamrätt.

C:\Users\Myky>java -version
java version "1.8.0_151"
Java(TM) SE Runtime Environment (build 1.8.0_151-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.151-b12, mixed mode)

C:\Users\Myky>
```

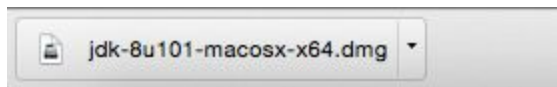
```
phiphitran — -bash — 80x24
Last login: Sat Dec 23 18:40:55 on ttys000
Phiphis-MacBook-Pro:~ phiphitran$ java -version
java version "1.8.0_91"
Java(TM) SE Runtime Environment (build 1.8.0_91-b14)
Java HotSpot(TM) 64-Bit Server VM (build 25.91-b14, mixed mode)
Phiphis-MacBook-Pro:~ phiphitran$
```

In this case Myky has version 8 in Windows 10 and Phiphi version 8 for Mac. **If you have Java (version 7 or higher) installed on your computer you can move on to installing Greenfoot.** If you have a version lower than 7 you have to upgrade to a higher version, which we will do in the following step.

4. If you do *not* have Java you have to download it. You can do this from [Oracle](#). Press on Download.



5. Accept the license by clicking on "Accept Licence Agreement".
6. Click on the file in the column that corresponds to your operative system.
7. When the file has been downloaded, double click on the file.



8. Install Java by following the instructions that will pop up.
9. Control that Java is installed by typing `java -version` in the terminal as (3).

Download and install Greenfoot:

1. Go to the website for downloading: [Greenfoot Download](#)



2. Choose the appropriate link (depending on what computer you have) to download.
3. When the download is done, double click on the downloaded file.
4. Move Greenfoot to your programs.
5. Done :)