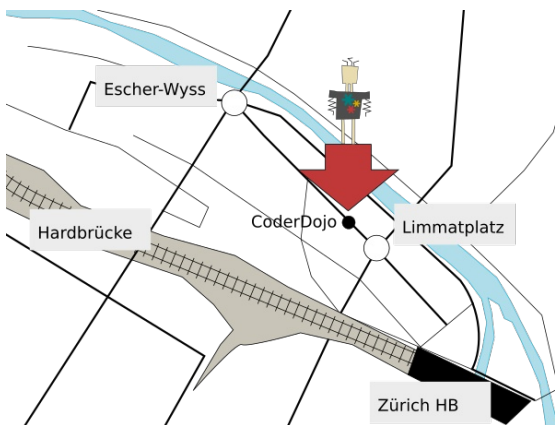


CoderDojo ist ein freier Programmierklub für Kinder und Jugendliche zwischen 7 und 17 Jahren.

Das CoderDojo fördert das selbständige Lernen durch Projektarbeit, die gegenseitige Hilfe und die Erstellung von innovativen Projekten.



Jeden Sonntag, 15:00 - 17:00 @ Liip

Limmatstrasse 183

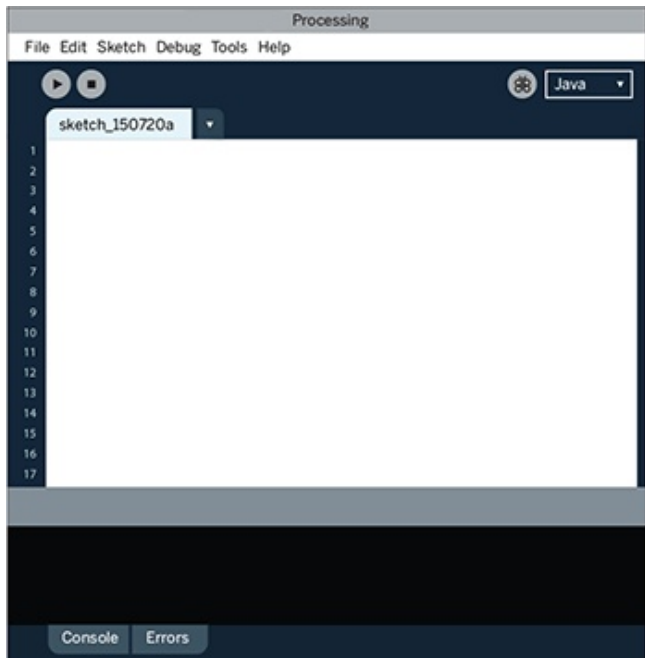
8048 Zürich

<http://coderdojzh.github.io/>

Getting started



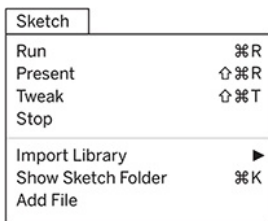
Install Processing
and draw a circle.



The menu

In the Menu you can find many useful actions.

As an example, if you have a look at the "Sketch" menu, you'll find out that you can run your program with the shortcut "ctrl-r" (or "cmd-r" on Mac).



Try to run the "Present" command:

Processing will enter the presentation mode and only the circle will be on the screen.

Save, open and new

All you need to save or open your work is in the "File" Menu.

When you run "Save", you will be prompted for a name and your program will be saved in the "sketchbook" directory.

If you want to open one of the programs you have previously saved, the "Sketchbook" menu item will present you with a list of your

Installing Processing



Download

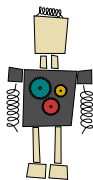
Start by downloading Processing from <http://processing.org/download>. Please select the Mac, Windows, or Linux version, depending on your computer.

On Windows

On Windows, you'll have a .zip file. Double-click it, and drag the folder inside to a location on your hard disk. It could be Program Files or simply the desktop, but the important thing is for the processing folder to be pulled out of that .zip file. Then double-click processing.exe to start.

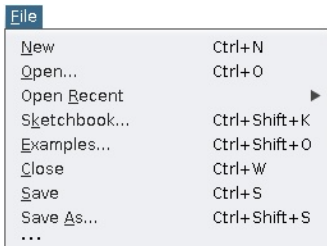
On Mac

The Mac OS X version is also a .zip file. Double-click it and drag the Processing icon to the Applications folder.



**CoderDojo
Zürich**

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Coderdojo Zürich, Ale Rimoldi.
Based on Casey Reas and Ben Fry's work.

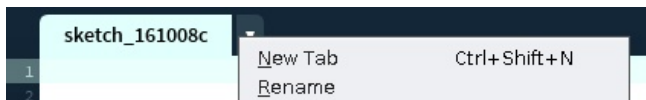


programs.

There is also an "Open" command: since it let's you open programs from anywhere on your disk, it's very useful if you have copied somebody else programs or downloaded a sample from the web.

You can create a new program:

- with the "New" command in the "File" menu, or
- with the "New tab" command in the "Tab" row



In the first case you'll get a new window and in the second one a new Tab

On Linux

The Linux version is a .tar.gz file. Download and double click the file to unpack it.

This will create a folder named processing-3.2.1 or something similar.

Open the directory and execute the file named "processing".

Let's go



You have started the Processing Development Environment:

A screenshot of the Processing IDE's code editor. The title bar at the top shows 'sketch_161007a'. The code area has a light blue background. Line 1 contains the code 'ellipse(50, 50, 80, 80);'. Lines 2 through 6 are empty. A vertical scrollbar is on the right side of the code area.

```
sketch_161007a
1 ellipse(50, 50, 80, 80);
2
3
4
5
6
```

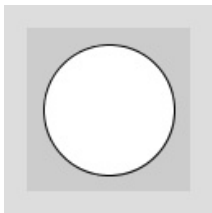
The code `ellipse(x, y, w, h)` defines an ellipse (a "circle") of radius 80 placed at the (50, 50) coordinates.



The toolbar contains two buttons:

- The "Run" button lets you execute your program to draw a circle'. Try it out.
- With the "Stop" button you can close the gray window where Processing has drawn the circle.

If everything went correctly, you have run your first Processing program and a small circle has popped up on your screen:



While you were typing, you probably have noticed, that Processing has a Message area where hints about your code are shown:

