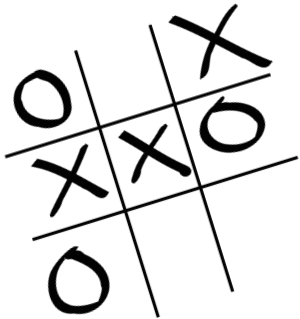




MEETS

METEOR



Internet

Wifi: q42guest  
PW: weeswelkom

WELCOME

INSTALL METEOR

here



[meteor.com/install](https://meteor.com/install)



Q  
42



MEETS

METE R



An introduction





katja



kristin



ineke

[Q42.com/girlcode](https://Q42.com/girlcode)



To make the world of tech and code more diverse. I think we can make a difference through initiatives like this group and I'd like to be inspired by all the people who want to join us :-)



I love to code and I am passionate about closing the gender gap in the technology industry. It is important that meetups like Girl Code exist so women feel welcome and encouraged to be active in our increasingly technology-driven world.

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Catherine Pollock, GirlCode meetup group member

I've worked a consultant in software telephony world for years now. And I am always surrounded by huge amount of men. And very few females. I'd like to support and be part of initiations that encourage girls and women to go technical.

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Hermína, GirlCode meetup group member

...knowing software development provides so many career and financial possibilities; it's intellectually rewarding and fun; and being a creator is deeply satisfying...



Rachel Thomas, <https://medium.com/tech-diversity-files/if-you-think-women-in-tech-is-just-a-pipeline-problem-you-haven-t-been-paying-attention-cb7a2073b996>



# PROGRAMMING - WHAT IT IS ABOUT



# PROGRAMMING - WHAT IT IS ABOUT

## programme

/ˈprəʊɡrəm/

verb

gerund or present participle: **programming**

1. provide (a computer or other machine) with coded instructions for the automatic performance of a task.  
"it is a simple matter to program the computer to recognize such symbols"
  - write computer programs.  
"I've programmed for 25 years and have used many languages"
  - input (instructions for the automatic performance of a task) into a computer or other machine.  
verb: **programme**; 3rd person present: **programmes**  
"simply **program** in your desired volume level"  
synonyms: **set, fix, arrange**  
"some hotels programme their canned music in 24-hour cycles"
  - cause (a person or animal) to behave in a predetermined way.  
"all members of a species are **programmed** to build nests in the same way"
2. arrange according to a plan or schedule.  
"we learn how to programme our own lives"  
synonyms: **arrange, organize, schedule, plan**, map out, lay out, **timetable**, line up, **prearrange**; **slate**  
"she tried to programme her day into housework and study"
  - schedule (an item) within a plan.  
"the next stage of the treaty is programmed for next year"
3. **US**  
broadcast (an item).  
"the station does not program enough contemporary works"

"Provide a computer with coded instructions for the automatic performance of a task."

"Arrange according to a plan or schedule."

"Cause somebody or something to behave in a predetermined way"

# PROGRAMMING - WHAT IT IS ABOUT

Problem solving by using algorithms

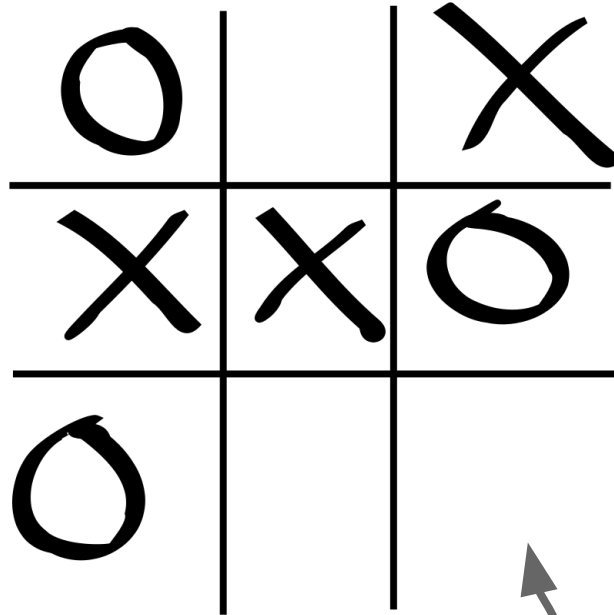


<http://interactivepython.org/runestone/static/pythonds/Introduction/WhatIsProgramming.html>

WHAT ARE WE DOING TODAY?



# WHAT ARE WE DOING TODAY?



↑  
this



# TIC TAC TOE - DEMO

O		X
X	X	O
O		



# TIC TAC TOE - RULES

- The game starts with a player ('O' or 'X')
- Each turn, alternate player ('O', 'X')
- three marks in a row/column/diagonal win (the game stops)
- Full gameboard (the game stops)



# TIC TAC TOE - MORE IDEAS

- multiplayer
- 4 on row, 5 on a row,..., 100 on a row
- tic tac toe inception
- ...
- Your own brilliant idea!





# PAIR PROGRAMMING



# TIC TAC TOE - LET'S GET STARTED

Find all slides and the tutorial on

<http://girlcode.q42.com>

If you need a little more help, the final code can be found here:



<https://github.com/afkatja/tictactoe/tree/master/tictactoe-final>

**But please first try on your own or ask some of our awesome tutors!**



# STEP 0 - CREATE YOUR FIRST METEOR APP

open TERMINAL:

- Mac OS:  + space -> "Terminal"
- Linux: ctrl+alt+T
- Windows:  -> type "powershell"

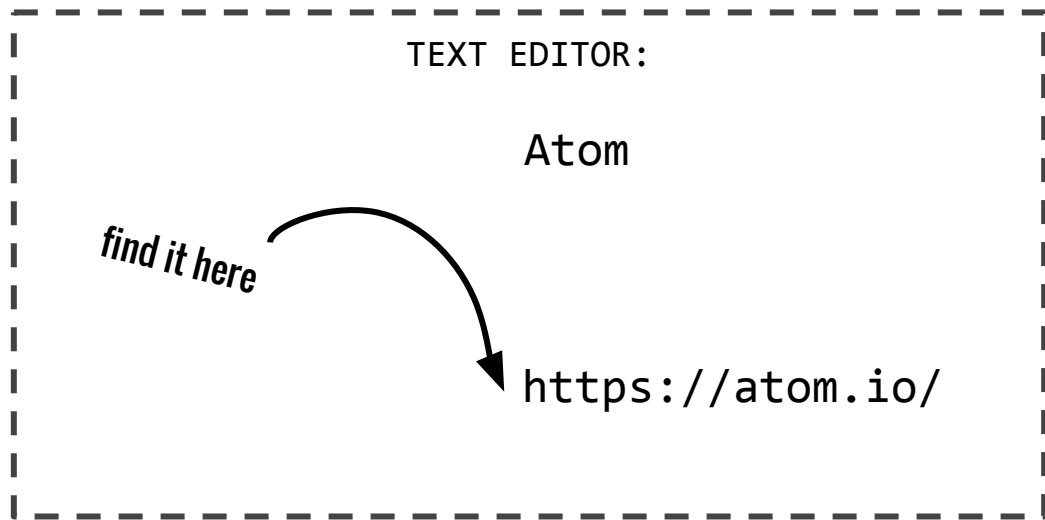
# STEP 0 - CREATE YOUR FIRST METEOR APP

Standard commandos:

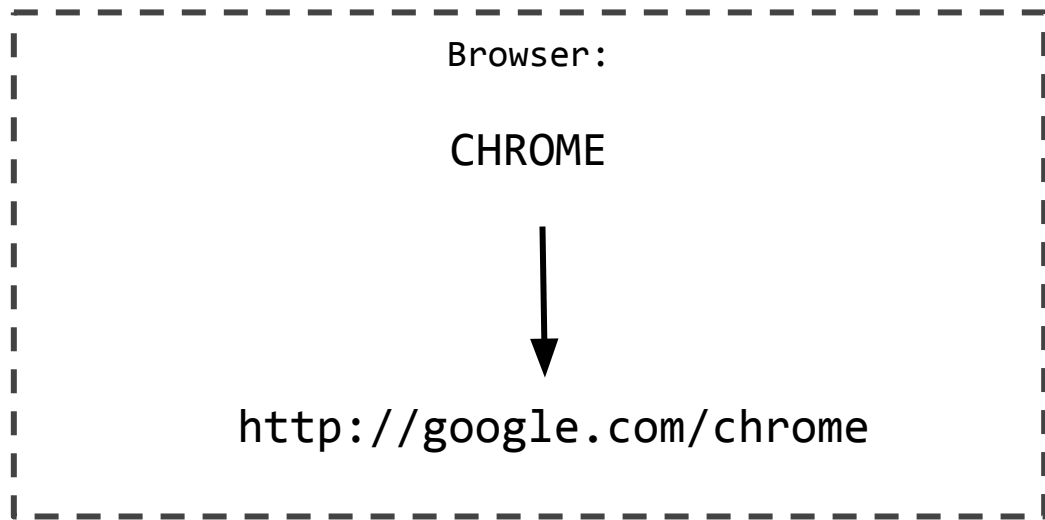
-change path	cd <path>
-move up path	cd ..
-exit current process	ctrl+c
-create folder	mkdir
<folder-name>	
-show content	ls -al



# STEP 0 - CREATE YOUR FIRST METEOR APP



# STEP 0 - CREATE YOUR FIRST METEOR APP



# STEP 0 - CREATE YOUR FIRST METEOR APP

You've installed meteor already, right? :)

- Open the terminal
- create a project folder, type: `mkdir Projects`
- hit `enter`
- change the path, type: `cd Projects`
- create a new application, type: `meteor create tictactoe`
- change path again, type: `cd tictactoe`
- start meteor, type: `meteor`
- You can test your application at `http://localhost:3000`



# STEP 1 - CREATE YOUR BOARD

The steps are described in very much detail in  
the tutorial:

<http://girlcode.q42.com>

<http://girlcode.q42.com>

