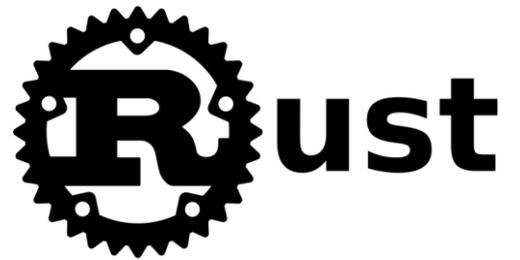


Introduction to Rust



Chapter 1



HELLO!

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I am Vasilis Vlasopoulos

I will be teaching you the
Rust programming language.

You can contact me at

vlasopoulos.v@gmail.com



ROADMAP

4

Basic Tool Installation

Using Cargo and Crates

Conditionals and Loops

You are here

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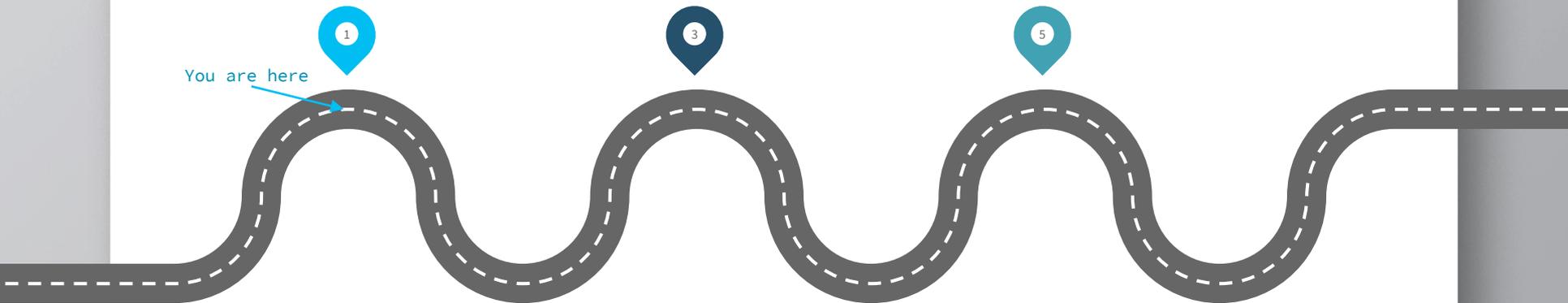
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6

Your first lines of Rust

Data Types and User Input

Project



- » Low level language similar to C/C++
- » Fixes a lot of common mistakes of C/C++
- » Fast runtimes comparable to C/C++
- » Teaches you to write safe code
- » Up and coming in the Industry
- » Voted most beloved language 3 years in a row on Github!

1.

Basic Tool Installation

rust-lang.org

After visiting rust-lang.org we click Install.

[Install](#)

In the install page we will click on the rust-up installer (based on our operating system). For Windows:

DOWNLOAD RUSTUP-INIT.EXE (64-BIT)

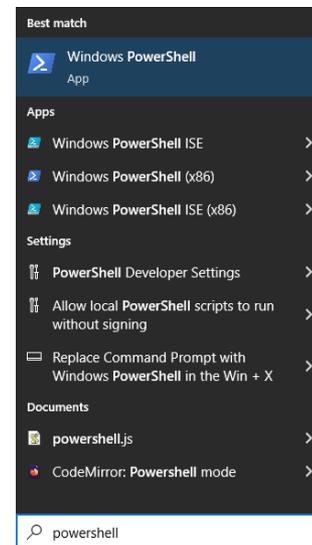
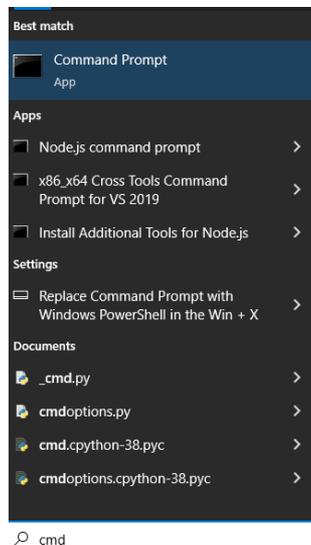
Rust Installation

When the download finishes just run the installer and follow the simple instructions.

After the installer finishes open a new command prompt/powershell by typing “cmd” or “powershell” in the windows search section. In the command line type “**rustc --version**” and hit Enter. If everything went ok you will see something like this*:

```
C:\Users\CRM114>rustc --version
rustc 1.61.0 (fe5b13d68 2022-05-18)
```

Rust is now installed and we are ready to proceed.



*If something went wrong please follow the instructions at <https://www.rust-lang.org/tools/install>

Visual Studio Code

- » Free and open source.
- » Supports Rust with the use of the rust-analyzer plugin.
- » Lightweight.

<https://code.visualstudio.com/>

JetBrains Clion

- » Paid license.
- » Supports Rust with the official Rust plugin.
- » Uses more system resources but provides a more professional development environment.

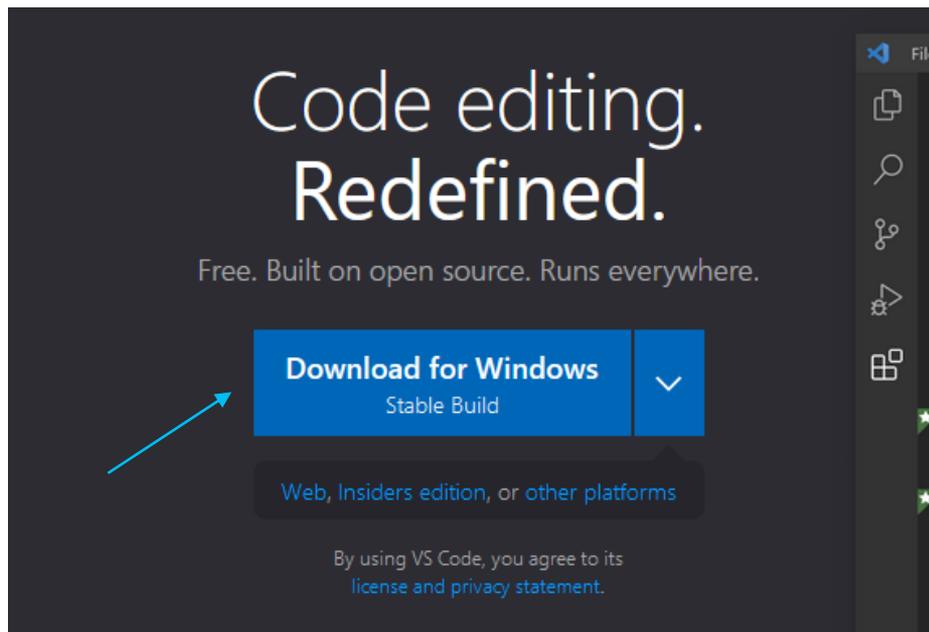
<https://www.jetbrains.com/clion/>

In this course we will be using Visual Studio Code

code.visualstudio.com

- » Click on the Download for <platform*> button and the installer will start downloading.
- » When the download finishes just run the installer and follow the simple instructions.
 - » You can now start using Visual Studio Code

*platform can be : Windows, MacOS, Linux





In order to have a complete Rust development experience in Visual Studio Code we have to install an extension.

Just click on the extensions tab on the left toolbar of Visual Studio Code as pointed in the image.

Visual Studio Code Plugin Installation

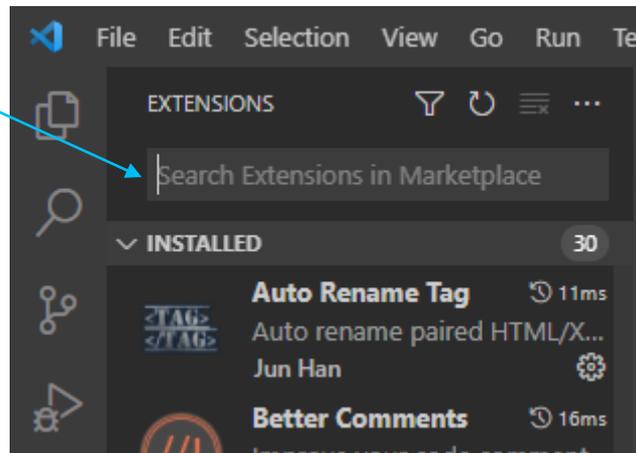
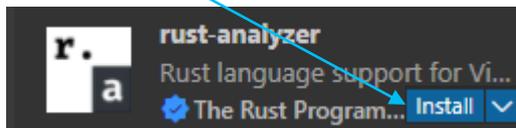
13

Once we are in the Extensions tab we can search for any extension in the Visual Studio Code Marketplace.

What we are looking for is the **rust-analyzer** extension.

You can just type “rust” and the extensions will be filtered automatically and will include rust-analyzer.

Just click the **install** button and you’re good to go.



**We are now ready to begin
our journey into Rust**

THANKS!

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Any questions?

You can find me at:

» vlasopoulos.v@gmail.com

