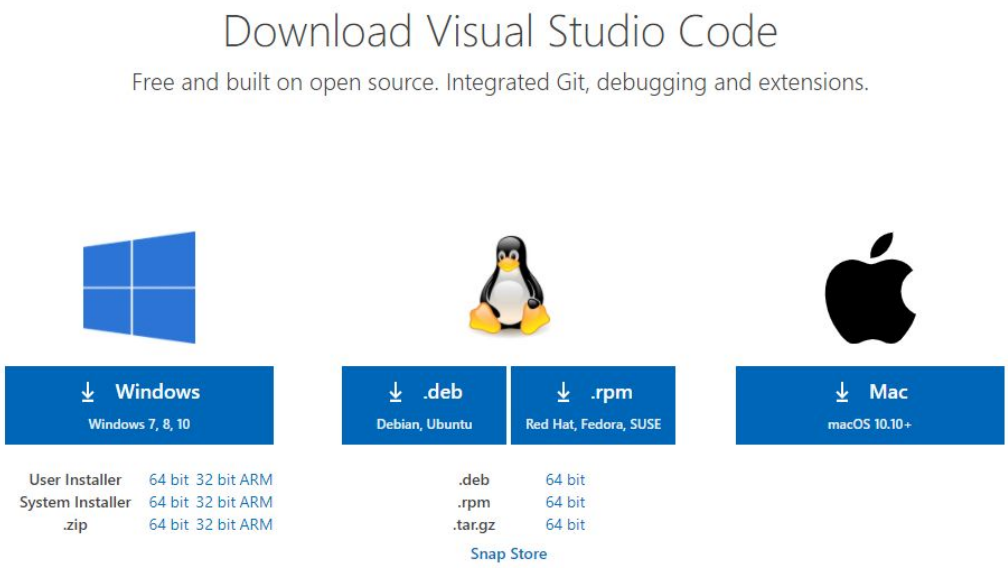
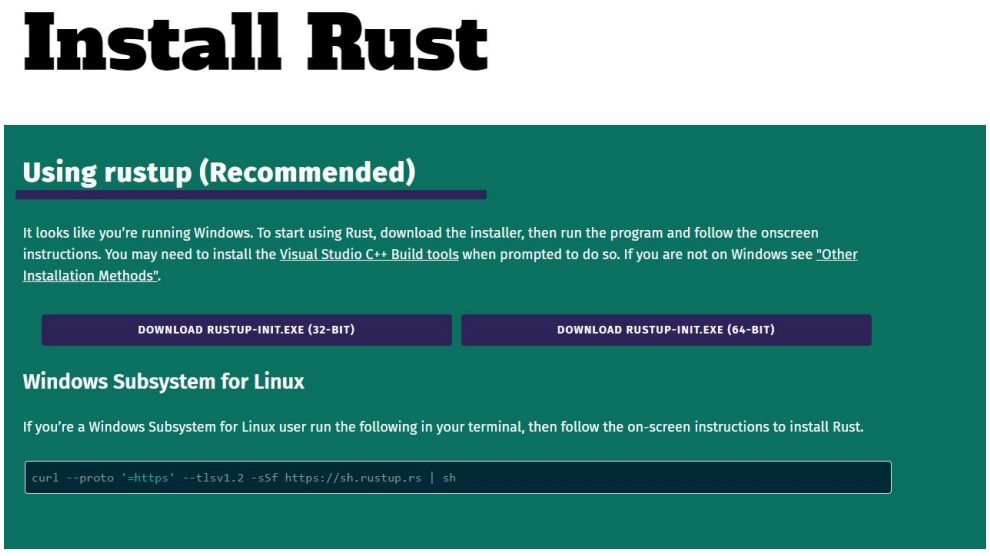
Rust + Cargo Install Guide:

Step 1) Ensure that you have VSCode installed on your machine, this is Rust's preferred text editor. Ensure that you have the "Code . " shortcut added to PATH, this is required later.
CODE . PATH TUTORIAL https://rb.gy/5xnfbt

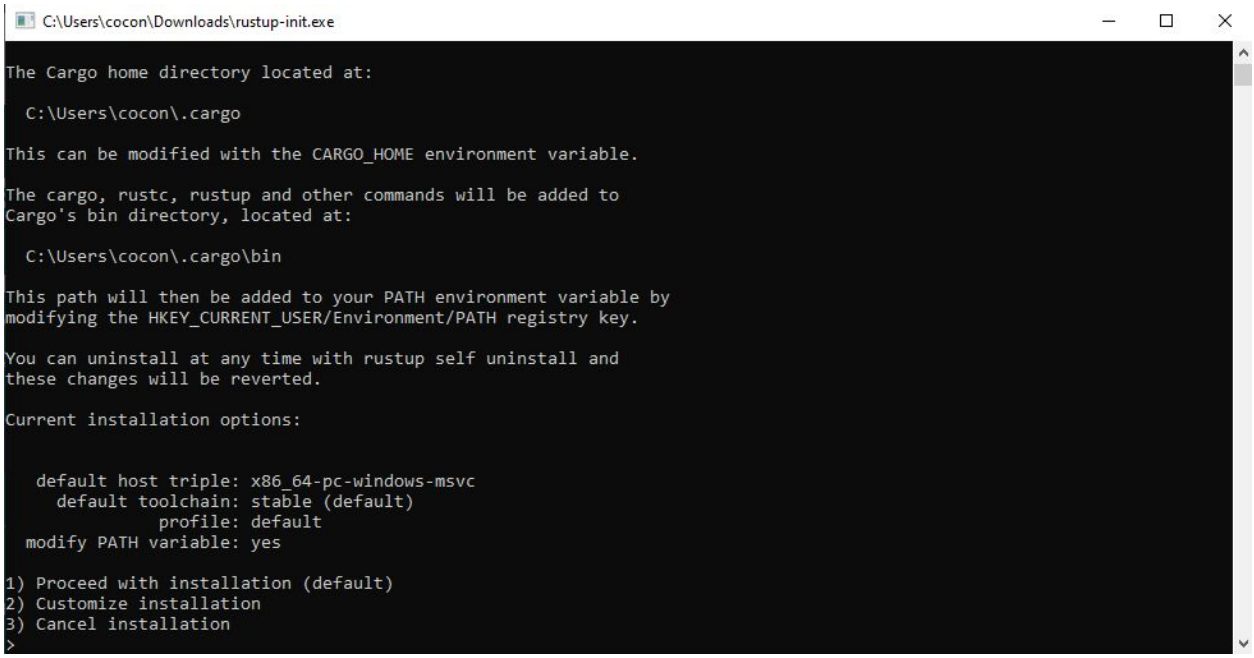


https://code.visualstudio.com/download

Step 2) Gp to https://www.rust-lang.org/tools/install It will auto detect what operating system you're on and give you an installer.

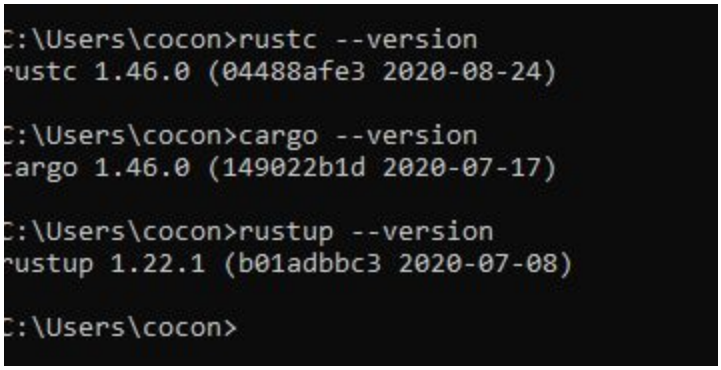


Step 3) run the file downloaded and press 1.



Once done type these commands to ensure things are installed correctly.

rustc --version
cargo --version
rustup --version



Step 4) Once things are set up, you're ready to create your first program. Start by creating a new file in your main hard drive, I called mine CSC301, then create another folder in that folder called Rust.

From the command line, cd into that folder and type “cargo new [file_name] in our case, filename will be hello_world.

```
C:\Users\cocon\Documents\CSC301\Rust>cargo new helloworld
     Created binary (application) `helloworld` package

C:\Users\cocon\Documents\CSC301\Rust>
```

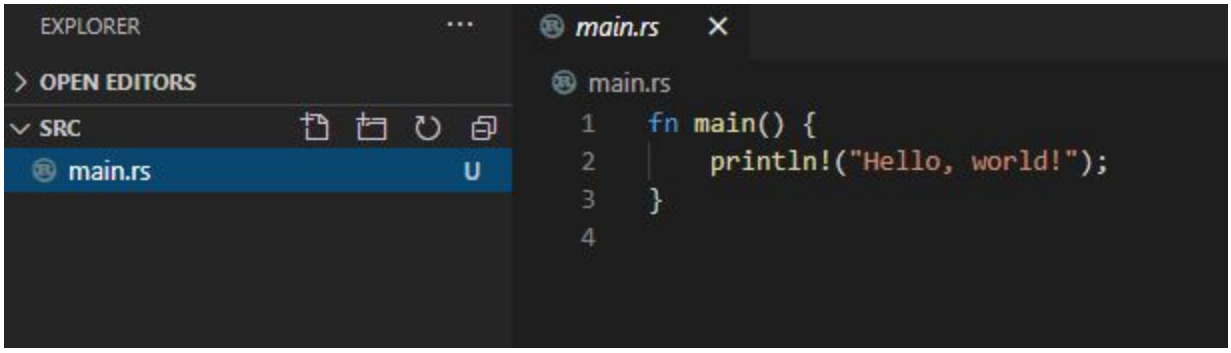
Once it creates the binaries and the filesystem, type “cd hello_world”, then “cd src”

```
:\Users\cocon\Documents\CSC301\Rust>cd helloworld

:\Users\cocon\Documents\CSC301\Rust\helloworld>cd src

:\Users\cocon\Documents\CSC301\Rust\helloworld\src>
```

Then once inside of the src folder type “code .” this brings the src file into VScode.

```
:\Users\cocon\Documents\CSC301\Rust\helloworld\src>code .

:\Users\cocon\Documents\CSC301\Rust\helloworld\src>
```

You’ll be able to open the premade main.rs file which by default prints hello world!



Step 5) To compile and run your code, go to the command line and make sure that it’s opened to the src file still. Type “cargo build” and ‘cargo run”

```
PS C:\Users\cocon\Documents\CSC301\Rust\helloworld\src> cargo build
   Compiling helloworld v0.1.0 (C:\Users\cocon\Documents\CSC301\Rust\helloworld)
    Finished dev [unoptimized + debuginfo] target(s) in 0.91s
```

```
PS C:\Users\cocon\Documents\CSC301\Rust\helloworld\src> cargo run
    Finished dev [unoptimized + debuginfo] target(s) in 0.01s
     Running `C:\Users\cocon\Documents\CSC301\Rust\helloworld\target\debug\helloworld.exe`
Hello, world!
```