Rust cheatlist

Cargo

- `cargo new project_name`: Initializes a new Rust project named *project_name* in the current directory.
- `cargo build`: Build program without optimizations. Output is stored in *./target/debug*.
- `cargo build —release`: Build program with runtime optimizations. Output is stored in *./target/release*.

Variables

- `let foo = bar;`: Creates immutable variable `foo` and assigns it value `bar`.
- `let mut foo = bar;`: Creates mutable varibale `foo` and assigns it value `bar`.

Terminology

- Associated function: functione implemented on a type rather than on a particular instance of the type. Similar as a *static method* in Java.
- Macro:
- Prelude:
- Trait:

Syntax

- `&var`: Passes `var` as a reference. Allows a function to access a variable without the need to copy it to the function's stack.
- `&mut var`: Passes `var` as a mutable reference. Allows a function to access and alter the variable's value.