Basic Syntax

- ▶ PDF: 2_1-basic-syntax-export.pdf
- ▶ Exercise: 2-foundations-of-rust/1-basic-syntax/1-basic-syntax/

Ownership

► 2-foundations-of-rust/2-ownership-and-references/1-move-semantics/src/bin/02.rs

Ownership 2

- ▶ PDF: 2_2-ownership-and-references-export.pdf
- ▶ Exercise: 2-foundations-of-rust/2-ownership-and-references/move-semantics
- ▶ Bonus Exercise: 2-foundations-of-rust/2-ownership-and-references/2-borrowing

Advanced Syntax

- ▶ PDF: 2_3-advanced-syntax-export.pdf
- ▶ Exercise: 2-foundations-of-rust/3-advanced-syntax/1-error-propagation
- ▶ Bonus Exercise: 2-foundations-of-rust/3-advanced-syntax/2-error-handling
- ▶ Tip: map_err()?

Advanced Syntax 2

- ▶ PDF: 2_3-advanced-syntax-export.pdf
- ▶ Exercise: 2-foundations-of-rust/3-advanced-syntax/4-ring-buffer
- ▶ Bonus Exercise: 2-foundations-of-rust/3-advanced-syntax/5-boxed-data
- ▶ What is Box<[u8]> and why do we need it?

Traits and Generics

- ▶ PDF: 2_4-traits-and-generics-export.pdf
- ▶ Exercise: 2-foundations-of-rust/4-traits-and-generics/1-local-storage-vec/

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OBJECTS

Polymorphismus

- PDF: 2_5-closures-and-dynamic-dispatch-export.pdf
- Exercise: 2-foundations-of-rust/5-closures-and-dynamic-dispatch/

Crate Engineering

- ▶ PDF: 3_1-crate-engineering-export.pdf
- ▶ Exercise 1: exercises/3-crate-engineering/1-crate-engineering/1-my-serde-app
- ▶ Exercise 2: exercises/3-crate-engineering/1-crate-engineering/3-bsn
- ▶ Bonus Exercise: exercises/3-crate-engineering/1-crate-engineering/5-fizz-buzz

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OBJECTS

Foreign Function Interfaces

- ▶ PDF: 4_1-foreign-function-interface-export.pdf
- ▶ Exercise: 4-rust-for-systems-programming/1-foreign-function-interface/1-crc-in-c
- ▶ Exercise: 4-rust-for-systems-programming/1-foreign-function-interface/2-crc-in-rust
- ▶ Exercise:
  4-rust-for-systems-programming/1-foreign-function-interface/3-tweetnacl-bindgen