Rust Resources list

Resources Covering Basic Concepts of the Language

1. **Rust Programming Language**

   Online Link: https://doc.rust-lang.org/book/

   Description: Official rust programming language book. Recommended book for those who are new to rust.

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2. **Rust by Example**

   Online Link: https://doc.rust-lang.org/rust-by-example/print.html

   Description: A recommended book for those who want to quickly learn through examples with lesser focus on theory

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3. **Rust Cookbook**

   Online Link: https://rust-lang-nursery.github.io/rust-cookbook/print.html

   Description: Useful Examples for accomplishing common programming tasks.

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4. **Easy Rust**

   Online Link: https://dhghomon.github.io/easy_rust/

   Description: A text book for those who are not native speakers and want to learn with simple and easy to follow English.

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5. **Rust Reference**

   Online Link: https://doc.rust-lang.org/reference/introduction.html

   Description: A good reference book for the language

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6. **Rustlings (online resource only)**

   Online Link: https://github.com/rust-lang/rustlings

   Description: Small exercises to get you used to reading and writing Rust code.

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7. **Rust CheatSheet**

   Online Link: https://zerotomastery.io/cheatsheets/rust-cheat-sheet/

   Description: Quick reference guide and handy reference for programming in rust.

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Resources Covering Advance Concepts of the Language

1. **Comprehensive Rust**

   Online Link: https://google.github.io/comprehensive-rust/

   Description: A recommended book for those who are coming from C++/JAVA background and want to develop for Andriod

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2. **The Rust Performance Book**

   Online Link: https://nnethercote.github.io/perf-book/introduction.html

   Description: The book contains techniques that can improve the performance, speed and memory usage

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3. **The Rustonomicon**

   Online Link: https://doc.rust-lang.org/nomicon/intro.html

   Description: It contains many examples and codes that explains the details when writing unsafe Rust programs.

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4. **Learn Rust with Entirely Too Many Linked Lists**

    Online Link: https://rust-unofficial.github.io/too-many-lists/

    Description: Basics of linked lists and different types of smart pointers in Rust.

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5. **Rust Programming Tips**

    Online Link: https://github.com/ferrous-systems/elements-of-
    rust/blob/master/README.md

    Description: Useful programming examples and tips for effective rust programming.

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Documentation of the Language

1. **Standard Library**

    Online Link: https://doc.rust-lang.org/std/index.html

    Description: Comprehensive guide to the Rust standard library APIs.

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2. **Edition Guide**

    Online Link: https://doc.rust-lang.org/edition-guide/index.html

    Description: For understanding the Rust's way of introducing changes into the language

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3. **Cargo Book**

    Online Link: https://doc.rust-lang.org/cargo/index.html

    Description: For understanding the package manager of Rust.

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4. **Compiler Error Index**

    Online Link: https://doc.rust-lang.org/error_codes/error-index.html

Description: Listing of all the errors emitted by the compiler

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5. **Rustdoc Book**

Online Link: https://doc.rust-lang.org/rustdoc/index.html

Description: Understanding the generation of documentation for your code

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