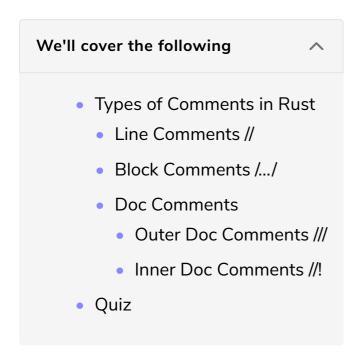# Comments

This lesson will teach you how to comment your code in Rust.

Comments are **programmer readable instructions** to help explain things about your code. The compiler ignores them.

Types of Comments in Rust

Rust has two types of comments that are commonly used:

Line Comments `//`

The comments followed by a double forward slash, `//`, are known as line comments.

This is the most recommended style of comment for commenting a single line.

```rust
// Writing a Rust program
fn main() {
    //The line comment is the recommended comment style
    println!("This is a line comment!"); // print hello World to the screen
}
```

Block Comments `/*...*/`

Text enclosed within `/*...*/` is known as a block comment.

This is used for temporarily disabling a large chunk of code.

```
fn main() {
    /*
    The block comment is extremely useful for temporarily disabling
    a large chunk of code. /* Block comments can also be /* nested, */ */
    To comment a large block just write in between /* text */
    */
    println!("This is a line comment!"); // print hello World to the screen
}
```

Doc Comments

The comments followed by `///` or `//!` are known as doc comments. Let's see the difference between the two sets of doc comments.

Outer Doc Comments `///`

Outer doc comments are written outside the block of code.

This type of comment supports [markdown notation](). This is used to generate docs referring to the following item.

Inner Doc Comments `//!`

Inner doc comments are written inside the block of code.

This comment style is used to generate docs referring to the item within a block of code.

```
/// This is a Doc comment outside the function
/// Generate docs for the following item.
/// This shows my code outside a module or a function
fn main() {
    //! This a doc comment that is inside the function
    //! This comment shows my code inside a module or a function
    //! Generate docs for the enclosing item
    println!("{} can support {} notation","Doc comment","markdown");
}
```

Quiz

Test your understanding of comments in Rust!

1 Which type of comment is this? `//`

2 Which comment supports markdown notation?

Retake Quiz

Now that you have learned the basics, try solving the challenge given in the next lesson.