

Printing Styles

In this lesson, you will be introduced to the different printing styles in Rust.

We'll cover the following

- `print!()`
 - Example
- `println!()`
 - Example
- `eprint!()`
 - Example
- `eprintln!()`
 - Example
- Quiz

The table below summarizes the macros used to print in Rust.

Macro	Printing style
<code>print!()</code>	prints the string to console
<code>println!()</code>	same as <code>print!()</code> but also appends a new line character at the end of string
<code>eprint!()</code>	prints anything within the parentheses as an error
<code>eprintln!()</code>	same as <code>eprint!()</code> but also appends a new line character at the end

Printing styles in Rust

Let’s discuss each of the macros in detail.

`print!()`

The `print!()` macro simply prints the output to the console.

Example

The following example prints “Rust Programming Course” in one line.

```
fn main() {  
    print!("Rust Programming");  
    print!(" Course");  
}
```



println!()

The `println!()` macro appends a new line at the end of the string.

Example

The following example prints “Rust Programming” on one line and “Course” on the new line.

```
fn main() {  
    println!("Rust Programming");  
    println!("Course");  
}
```



eprint!()

The `eprint!()` macro displays the output as an error.

Example

The following example prints “Rust Programming” and “Course” on the same line but as an error.

```
fn main() {  
    eprint!("Rust Programming");  
    eprint!(" Course");  
}
```



eprintln!()

eprintln!()


The `eprintln!()` macro displays the output as an error and appends a new line(`\n`) at the end of it.

Example

The following example prints “Rust Programming” as an error and appends a new line to it. Then prints “Course” and appends a new line.

```
fn main() {  
    eprintln!("Rust Programming");  
    eprintln!("Course");  
}
```



 **Note:** `eprint!()` and `eprintln!()` come in handy when we want to indicate to the user that an error condition has occurred.

Quiz

Test your understanding on how to print in different ways in Rust!

Quick Quiz on Printing Styles!



Which of the following print statement appends a new line to the output?

2

Which of the following is used to display an error?

3

What is the output of the following code?

```
fn main() {  
    println!("Learning language :");  
    print!("Rust");  
    print!("Programming");  
    print!("Language");  
}
```

[Retake Quiz](#)

Now that you have learned about the different ways to print your statements, let's

Now that you have learned about the different ways to print your statements, let's learn to comment the code in the next section.