

Slicing a String

This lesson will teach you to slice a string.

We'll cover the following

- What Is Slicing?
 - Syntax
- Quiz

What Is Slicing?

Slicing is used to get a portion of a string value.

Rust Programming

slicing

Program

Syntax

The general syntax is:

```
let slice = &string[start_index..end_index]
```

Here,

- `start_index` and `end_index` are the positions of starting and ending index of the original array respectively.

Note: The `start_index` is inclusive and `end index` is exclusive

- `&` indicates that the variable `slice` borrows the `string`.

Note: The minimum value of `start_index` is 0 and the maximum value is the size of the string.

```
fn main() {  
    let string = "Rust Programming".to_string();  
    let slice = &string[5..12];  
    // get characters at 5,6,7,8,9,10 and 11 indexes  
    println!("Slice : {}", slice);  
}
```



Quiz

Test your knowledge of slicing a string in Rust.

Quick Quiz on String Slicing!



What is the output of the following code?

```
fn main() {  
    let string = "Rust Programming".to_string();  
    let slice = &string[0..3];  
    println!("{}", slice);  
}
```

[Retake Quiz](#)

Now that you have learned the concept of slices, let's learn about Functions and Strings in the next lesson.