Functions and Strings

This lesson discusses functions and Strings.

Passing Primitive String - String Literal (`&str`)

String literals are passed to the functions just like other variables. They can be reused after the function call.

```rust
fn main(){
    let course: &str = "Rust Programming";
    display_course_name(course);
    println!("{}",course); // string literal is used after the function call
}
fn display_course_name(my_course: &str){
    println!("Course : {}", my_course);
}
```

Passing Growable String - String Object (`String`)

While passing String Objects to functions, they cannot be reused again because the value once passed gets moved to that function's scope and cannot be reused.

This concept is discussed in detail in the last chapter - Ownership.

```rust
fn main(){
    let course:String = String::from("Rust Programming");
    display_course_name(course);
    //cannot access course after display
}
fn display_course_name(my_course:String){
    println!("Course : {}", my_course);
}
```

Now that you have learned about Strings and functions, let's check your knowledge in the upcoming challenge.