

String Exercise

Here are 5 clean string manipulation exercises in Rust without tests or results:

1. String Concatenation

</> Rust

```
1 // Combine first_name and last_name with a space in
  between
2 fn combine_names(first_name: &str, last_name: &str) ->
  String {
3     todo!()
4 }
5
```

2. Vowel Counter

</> Rust

```
1 // Count the number of vowels (a,e,i,o,u) in a string
  (case insensitive)
2 fn count_vowels(text: &str) -> usize {
3     todo!()
4 }
5
```

3. Title Case Converter

</> Rust

```
1 // Convert a string to title case (first letter of
  each word capitalized)
2 fn to_title_case(s: &str) -> String {
3     todo!()
4 }
5
```

4. String Truncator

Rust



```
1 // Truncate a string to max_length and add "..." if
  truncated
2 // Only truncate at word boundaries
3 fn smart_truncate(text: &str, max_length: usize) ->
  String {
4     todo!()
5 }
6
```

5. Password Strength Checker



```
1 // Check password strength (minimum 8 chars, at least
  1 uppercase, 1 lowercase, 1 digit)
2 fn is_strong_password(password: &str) -> bool {
3     todo!()
4 }
5
```