

Fundamentals | Escape Sequences & Raw Strings

■ Escape Sequences

- ◆ Not always possible or convenient to include certain characters in a string
 - Quotes, newlines, tabs, Unicode
- ◆ Escape sequences allow inclusion of any type of character

Example

```
let msg = "Hello\nworld!";  
let msg = "Hello\tworld!";  
let msg = "left\\right";  
let msg = "Over \"there\"";  
let smiley = "\u{1f642}"; // 😊;
```

■ Raw Strings

- ◆ Escape sequences are disabled
- ◆ Clearer code when multiple special characters are needed

Example

```
let msg = r"Hello  
world!";
```

```
let msg = r"Hello    world!";
```

```
let msg = r"left\righ";
```

```
let msg = r#"Over "there"#"#;
```

```
let msg = r##"Over #"#there#"###";
```

```
let smiley = r"😊";
```

Recap

- ◆ Escape sequences are a way to include special characters in strings
- ◆ Raw strings allow insertion of any characters without using escapes
 - Newlines in raw strings will include indents
 - Surround raw strings with hashes (#) if you need to include double quotes