

# 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