

Working With Data | *enum*

■ Enumeration

- ◆ Data that can be one of multiple different possibilities
 - Each possibility is called a “variant”
- ◆ Provides information about your program to the compiler
 - More robust programs

■ Example

```
enum Direction {  
    Up,  
    Down,  
    Left,  
    Right  
}
```

```
fn which_way(go: Direction) {  
    match go {  
        Direction::Up => "up",  
        Direction::Down => "down",  
        Direction::Left => "left",  
        Direction::Right => "right",  
    }  
}
```

■ Recap

- ◆ Enums can only be one variant at a time
- ◆ More robust programs when paired with *match*
- ◆ Make program code easier to read