Case Statements

Link to Ed lesson

A link to the Ed lesson can be found here.

What are Case Statements?

- A *case statement* is an alternative syntax to an *if else* statement.

- Case statements start with the keyword **case** followed by a **variable**.

- EVERY condition that can be matched to a case statement variable will be a **when** statement.

- If nothing matches, **else** is executed.

- Do not use case statements for simple logic:

  - eg: **true** or **false**

Example of a case statement

```
#sets variable (capacity) to 21
capacity = 21

#selects key word (case) with variable
(capacity)
case capacity

when 0
    "You ran out of gas."
when 1..20
    "The tank is almost empty"
when 21..70
    "You should be ok for now"
when 71..100
    "The tank is almost full"
else
    "Error: capacity has an invalid (#{capacity} value"
```

When to use Case Statments

- When you have a **variety of values** for each of those variables.

- Instead of having multiple **if, elsif, else blocks**, we can have ONE SINGLE **case statement** with multiple ranges of values for **each value** of that **variable**.