team treehouse : swift

- variables generally have two types of associations
  * properties
  * functions
- optionals allow you to return a value that is nil
- an array holds an **ordered list of values**
- dictionary holds an **unordered list of key value pairs**
- **1…10** is a range of numbers from 1 to 10
  * the three dots are known as **closed range** because the upper limit is **inclusive**
- **1..<10** is a range of numbers from 1 to 9
  * the two dots with a lesser-than sign is known as a **half-closed range** because the upper limit is **non-inclusive**
- switch statement is very versatile because it lets you use ranges and sequences in a single *case* statement