

QND Computer Science Day 2

Mr. Schmidt

Recap

- Website
- Swift Playgrounds
- Strings
- `console.write`
- Variables

Agenda

- Concatenation
- `console.read`
- Multiple Concatenation
- Spacing + Comments
- Project: Chat Program

Concatenation

- Combine variables together!

```
let greeting = "Hello "  
let name = "Mr. Schmidt"  
console.write(greeting + name)
```

This program is boring!

- It needs to respond to user input
- Use `console.read`
- Waits for the user to type in the console and press Enter
- Stores the value in a variable

```
let name = console.read("What is your name?")
```

- Use concatenation to say hello!

Multiple Concatenation

- You can repeat concatenation as much as you want
- Remember to put quotes around strings
- Variables do not have quotes

```
let greeting = "Hello"  
console.write("🦀" + "🦎" + greeting)
```

Spacing

- Empty lines are ignored by Swift
- Use this to group things together!

Spacing and Comments

- Empty lines can be ignored
- Anything after a `//` is ignored by the program

```
// Ask the user for their name  
let name = console.read("What is your name?")
```

```
// Note the space after Hello  
let greeting = "Hello "  
console.write(greeting + name)
```


Project

- Make a chat program!
- Ask the user questions
- Provide an answer, referencing what they said (3 things)

```
// Ask for a name and greet the user
```

```
let name = console.read("What is your name?")
```

```
console.write("Hello " + name + ", my name is Mr. Schmidt")
```

```
// Ask for a favorite color
```

```
let color = console.read("What is your favorite color?")
```

```
console.write("I also like " + color + ", but my favorite is blue")
```