

QND Computer Science Day 3

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Recap

- Strings
- Variables
- Concatenation
- `print()`
- `readLine()!`
- Chat

Today

- How can we make programs more interactive?

if statements

- Execute different code based on a condition

```
print("What is the best ice cream flavor?")
let answer = readLine()!
if answer == "Cookies and cream" {
    print("Correct, oreos in ice cream is the best")
} else {
    print("Wrong, " + answer + " is not the best")
}
```

else if

- What if there are multiple branches?
- You can have as many `else if`s as you want!

```
print("What is the best ice cream flavor?")
let answer = readLine()!
if answer == "Cookies and cream" {
    print("Correct, oreos in ice cream is the best")
} else if answer == "Chocolate" {
    print("Chocolate is good, but it's not quite the best")
} else {
    print("Wrong, " + answer + " is not the best")
}
```

Nested Ifs

- You can put if statements inside of other if statements

```
...  
if answer == "Cookies and cream" {  
    print("Correct, oreos in ice cream is the best")  
    print("Waffle cones or sugar cones?")  
    let cones = readLine()!  
    if cones == "Waffle cones" {  
        print("Come on, who doesn't love a fresh waffle cone?")  
    } else {  
        print("WRONG")  
    }  
}  
...
```

Assignment

- Extend your quiz!
- Use `else if`
- Have at least 2 layers of `if` statements (3 questions total)

Make Your Own

- Give the user some story and a simple choice
- Use nested `if` statements to print what happens next
- Be creative!
 - You can do a quiz (or extend your quiz)
- *keep it appropriate*
- <https://replit.com/@mrschmidt/Adventure#main.swift>