QND Computer Science Day 7

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Recap

- While Loops
- Calculator

What's Next?

- Guess My Number
    - Generate a random number
    - Ask the user to guess the number
    - Tell the user if their guess is too high, too low, or correct

Random Number Generation

- You don't need to memorize everything!
- Let's google it

Random Number Generation

```swift
let number = Int.random(in: 1..<100)
print(number)
```

- How would I change the range to be between -100 and 1000?

New Things

- `.` is called a dot
  - Access functions, variables of a type or variable
  - `Int.random` gets the `random` function from the `Int` type
- `..<` creates an exclusive (open) range
- `...` creates an inclusive (closed) range

Guess My Number

- Walk through it together

- OR, try it on your own!

Extra Challenges

- Use `print()` to add empty lines to your output

- If the user is off by more than 10, print a different message

  - Calculate the difference

  - Add more `else if` blocks