

202: Swift Generics, Closures, Enums

Part 1: Overview

New Swift Features

- ⚙️ **Enums:** optionals
- ⚙️ **Generics:** `Array<>`, `Dictionary<>`
- ⚙️ **Closures:** functional programming

 *Objective-C blocks*



As a **local variable**:

```
returnType (^blockName)(parameterTypes) = ^returnType(parameters) {...};
```

As a **property**:

```
@property (nonatomic, copy) returnType (^blockName)(parameterTypes);
```

As a **method parameter**:

```
- (void)someMethodThatTakesABlock:(returnType (^)(parameterTypes) blockName);
```

As an **argument to a method call**:

```
[someObject someMethodThatTakesABlock:^(returnType (parameters) {...});
```


Tutorial Overview

- ⚙️ **Demo:** Playground
- ⚙️ **Lab:** Refactor Tic-Tac-Toe
- ⚙️ **Challenges:** More practice!

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Part 2: Live Demo