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INTERMEDIATE SWIFT 3

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PART #2: CLOSURES

CLOSURES

```
var multiplyClosure: (Int, Int) -> Int
```

```
func multiply(_ number: Int, by multiplier: Int) -> Int {  
    return number * multiplier  
}
```

```
multiplyClosure = { (number: Int, multiplier: Int) -> Int in  
    return number * multiplier  
}
```

```
multiplyClosure(10, 10)
```

```
let voidClosure: () -> Void
```



CLOSURES

```
multiplyClosure = {  
  ( number: Int, multiplier: Int) -> Int  
  in  
    return number * multiplier  
}
```

```
multiplyClosure(10, 10)
```

```
let voidClosure: () -> Void
```



TYPE INFERENCE

```
var multiplyClosure: (Int, Int) -> Int
```

```
multiplyClosure = {  
  return number * multiplier  
}  
multiplyClosure = { multiplier: Int) -> Int in  
  $0 * $1  
}
```



CONDENSING CLOSURES

```
operateOnNumbers(10, 5, operation: { (a: Int, b: Int) in return a * b })
```

```
operateOnNumbers(10, 5, operation: { $0 * $1 })
```

```
operateOnNumbers(10, 5, operation: *)
```



TRAILING CLOSURES

```
operateOnNumbers(10, 5, operation: { $0 * $1 })
```

```
operateOnNumbers(10, 5) {  
    $0 + $1  
}
```



CLOSURES

```
var counter = 0  
let incrementCounter = {  
  counter += 1  
}
```



DEMO



CHALLENGE TIME!

