EDUCATION

Surf

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Хранение данных

```swift
enum StorageType: CaseIterable {
    case keychain
    case userDefaults
    case plainFile
    case urlCache
    case inMemory
    case database
}

StorageType.allCases.forEach { tellAbout($0) }
```

case keychain

```swift
import KeychainSwift

let keychain = KeychainSwift()
keychain.set("hello world", forKey: "my key")
keychain.get("my key")
```

case userDefaults

```swift
// saving
UserDefaults.standard.set("Mikhail", forKey: "userName")

// loading
let userName = UserDefaults.standard.string(forKey: "userName")
```

case urlCache

```swift
let url = URL(string: "vk.com")!
if hasDataOnDevice(by: url) {
    return getDataOnDevice(by: url)
}
makeRequestOnServer(onCompleted: { data in
    saveDataOnDevice(by: url, data: data)
    return data
})
```

case plainFile

```swift
let documentPath = FileManager.default.urls(
    for: .documentDirectory,
    in: .userDomainMask
).first!

// <path>/Application/<container_identifier>/Documents/

let string = "some info"
let filename = documentPath.appendingPathComponent("text.txt")
try! string.write(
    to: filename,
    atomically: true,
    encoding: .utf8
)
```

case inMemory

```swift
class InformationManager {
    static let shared = InformationManager()
    var info: String?
}

InformationManager.shared.info = "some info"
print("info: \(InformationManager.shared.info)")
```

case database

```
if database.type == "SQL" {
    print("SQLite")
} else if database.type == "NoSQL"  {
    print("Realm")
}
```