

Mobile Application Development with Flutter

Lecture 6: Strings in Dart

Strings in Dart

- A String is a sequence of characters
- Dart Strings are immutable
- Strings are objects in Dart

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String Properties

- length
- isEmpty
- isNotEmpty

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String Methods

- `toUpperCase()`, `toLowerCase()`
- `trim()`, `trimLeft()`, `trimRight()`
- `contains()`, `indexOf()`
- `startsWith()`, `endsWith()`
- `substring()`
- `compareTo()`
- `replaceAll()`

Real App Usage Examples

- 1 Login Form - Remove Extra Spaces (`trim()`)
- 2 Case-Insensitive Email Check (`toLowerCase()`)
- 3 Password Length Validation (`length`)
- 4 Search Feature (`contains()`)
- 5 Validate Email Format (`contains()` / `endsWith()`)
- 6 Extract Last 4 Digits of Card (`substring()`)
- 7 Replace Text (`replaceAll()`)
- 8 Check Empty Field (`isEmpty`, `isNotEmpty`)