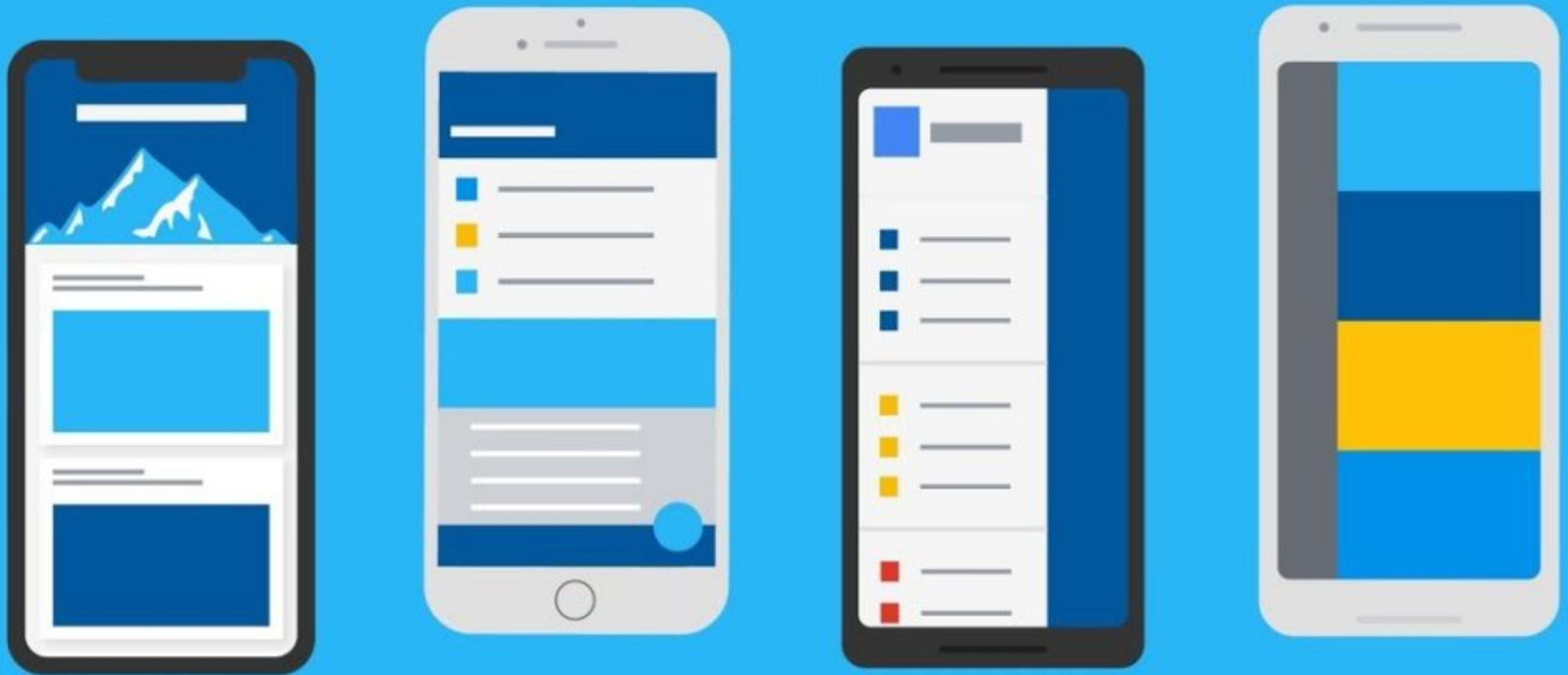




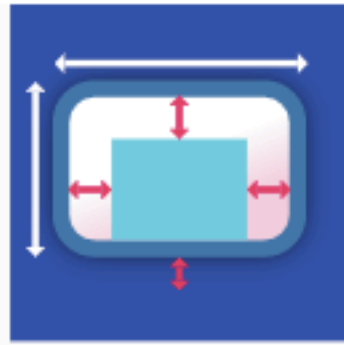
Flutter



# Introducing Flutter



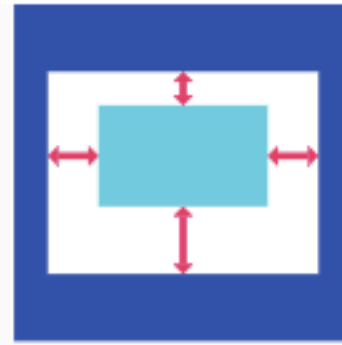
## Single-child layout widgets



### Container

A convenience widget that combines common painting, positioning, and sizing widgets.

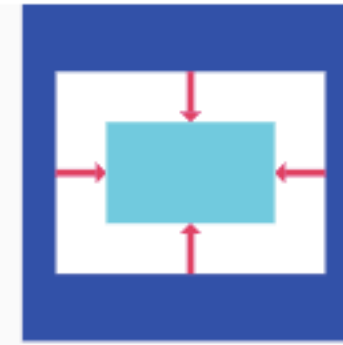
[Documentation](#)



### Padding

A widget that insets its child by the given padding.

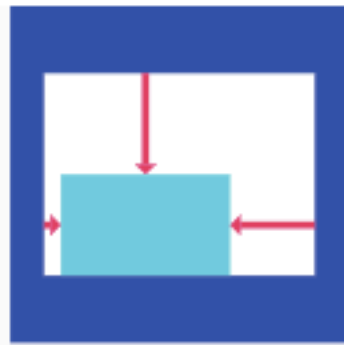
[Documentation](#)



### Center

A widget that centers its child within itself.

[Documentation](#)



### Align

A widget that aligns its child within itself and optionally sizes itself based on the child's size.

[Documentation](#)



### FittedBox

Scales and positions its child within itself according to fit.

[Documentation](#)



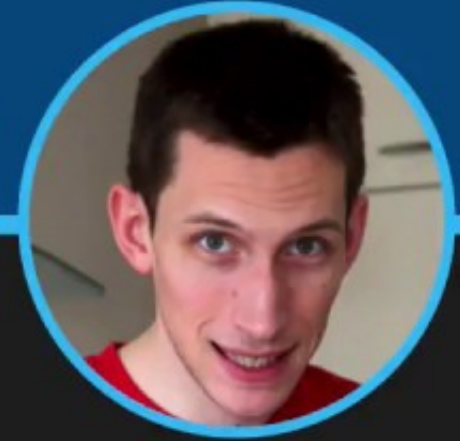
### AspectRatio

A widget that attempts to size the child to a specific aspect ratio.

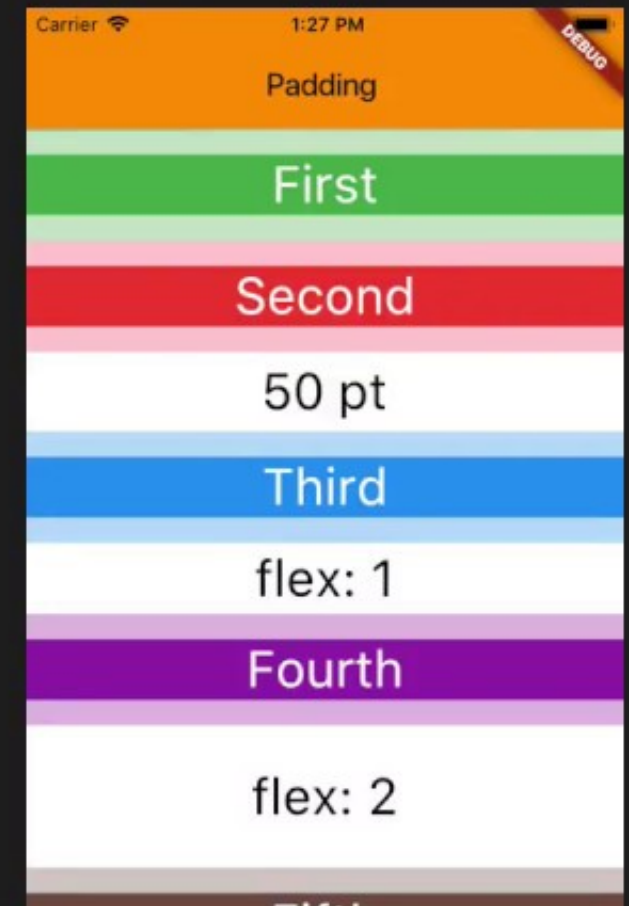
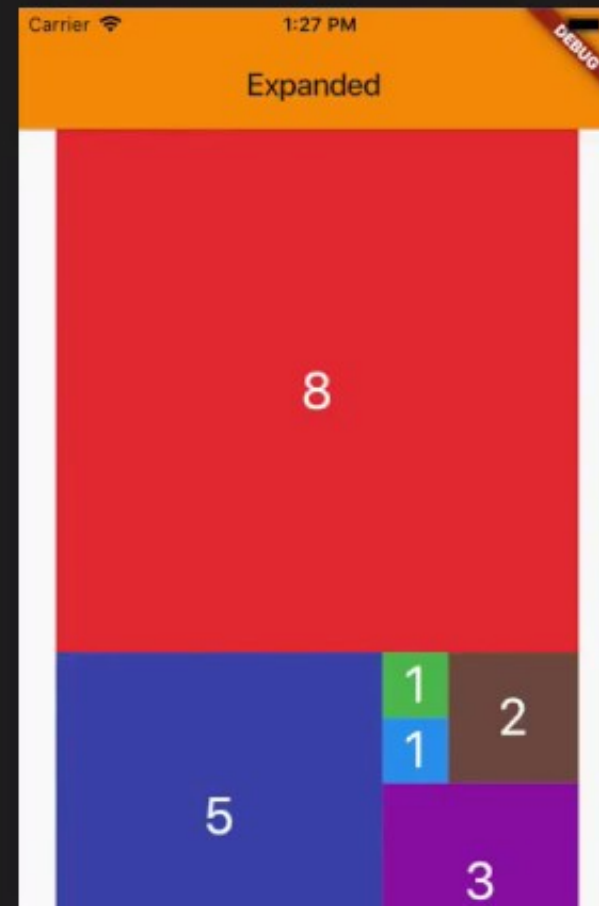
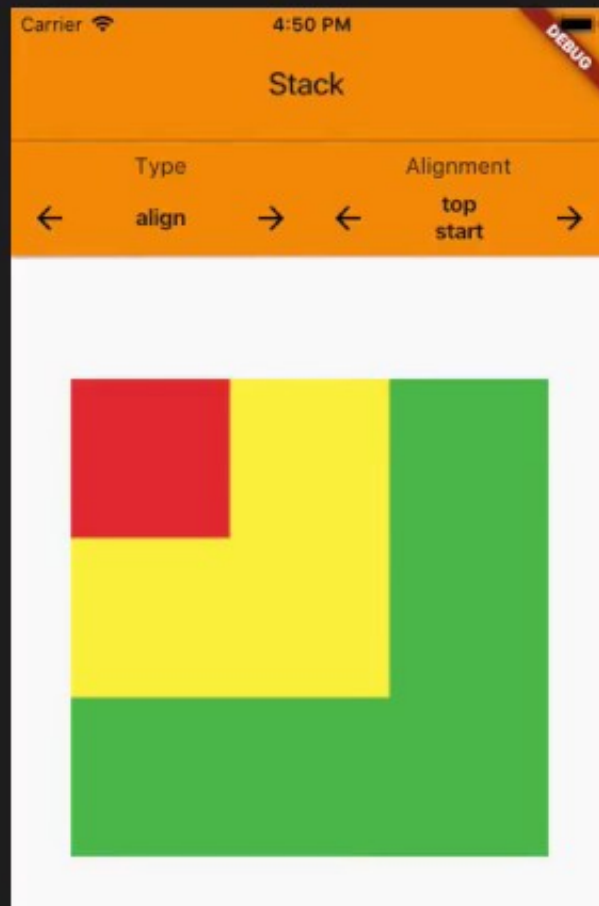
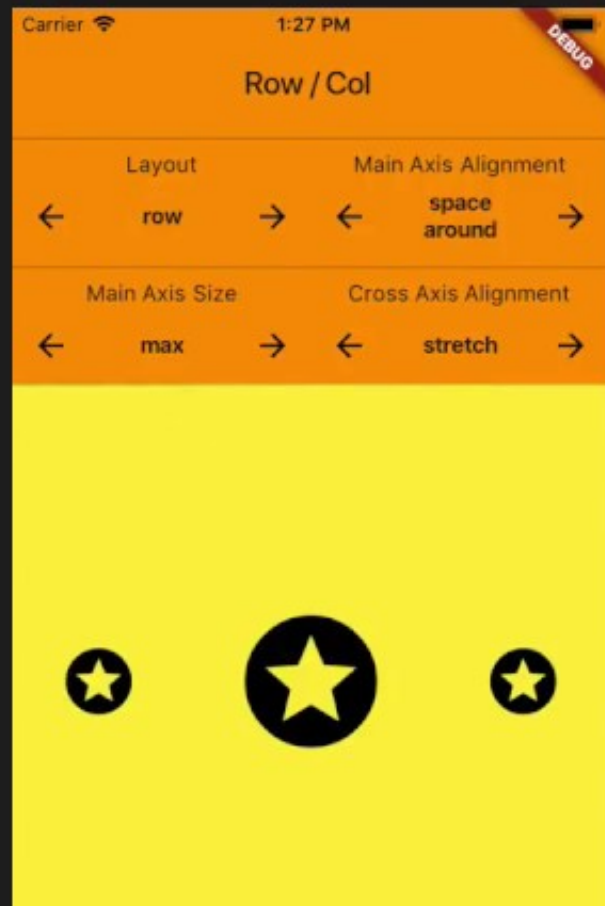
[Documentation](#)



# CODING WITH FLUTTER



## Layout Demo



출처 : <https://www.youtube.com/watch?v=RJEnTRBxaSg>

ORACLE®

VS

Google

# 오라클 vs 구글

- 1심 : 구글 승소
- 2심 : 오라클 승소  
그러나 오픈소스에 활용된 자바 API의 공공성에 대한 재논의가 필요하다며 1심 환송
- 오라클과 구글은 각각 패소할 때 마다 항소하며 8년간 진행



**Kotlin**



# 코틀린

- JetBrains 에서 발표
  - > 안드로이드 스튜디오의 기반이 되는 IntelliJ 를 만든 개발사
- 코틀린 to 자바
- 코틀린 네이티브 프로젝트 진행중





**Fuchsia**



# 퓨시아 (푸크시아)

- 구글에서 자체 개발한 커널을 사용
- IoT 기기용 운영체제로 사용됨
- 크롬OS와 함께 구글의 차세대 운영체제로 주목됨

# Flutter의 방향성

- Dart to App (Android OS, iOS)
- Dart to Web (Beta)
- Dart to Whatever...