Let's Flutter

Introduction مقدمة

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10 months of Flutter!

Week #1 Introduction

Week #2 Welcome to The Dart Side

Week #3 Basic Widgets & Material Design

Week #4 Make Your First Flutter App

Week #5 Using Packages to Extend Functionality

Week #6 Flutter & Backend

Week #7 State Management

Week #8 Creating a Chat App

Week #9 Navigation

Week #10 Testing Your Widgets

For absolute beginners

1. **We will learn basic things any Flutter developer should know**

2. **This Course is just the first step**

3. **Along the way you will have a lot of resources to support your learning journey**

Where can I find all the resources?

Don't worry, links can get lost, I know!

For that I have this one link for you, where I will put all the resources including the slides.

fairybits.com/growwgoogle-flutter

Bookmark it!

Further support

Tag me on Twitter @pr_Mais for any issue you face and I will help.

1 rule of thumb: public tweets are better as it gives the opportunity for more people to learn from your question!

Let's Flutter

The What and Why

What is Flutter

" Flutter is Google's UI toolkit for building beautiful, natively compiled applications for mobile, web, and desktop from a single codebase.

flutter.dev

Flutter

1

One app, many platforms

iOS   *Android*   *Web*

Windows   *macOS*   *Linux*
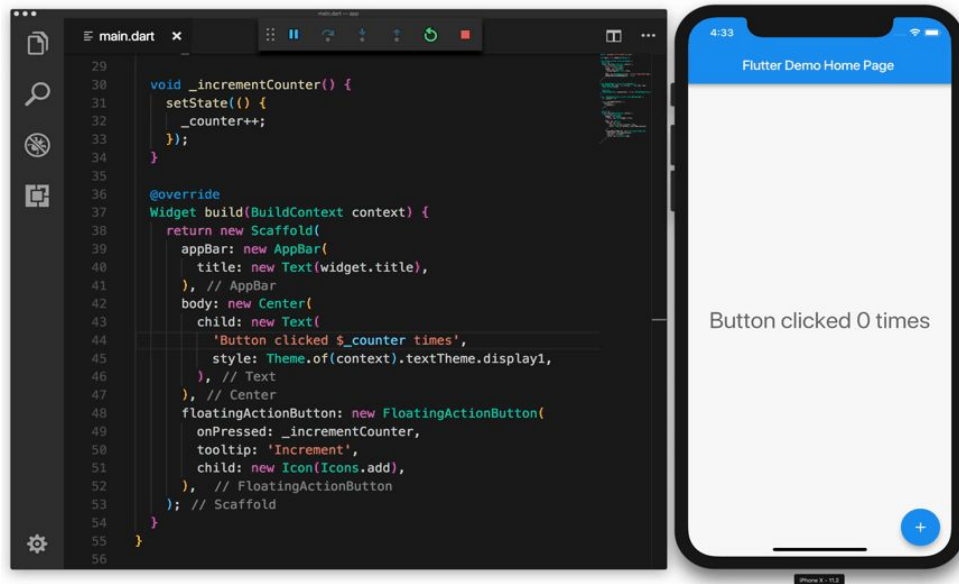
2

One language, UI & logic

iOS

3

Hot Reload

Load changes instantly

4 Native Performance

Dart is compiled directly to machine code.
Platform-aware.

5 Easy to learn

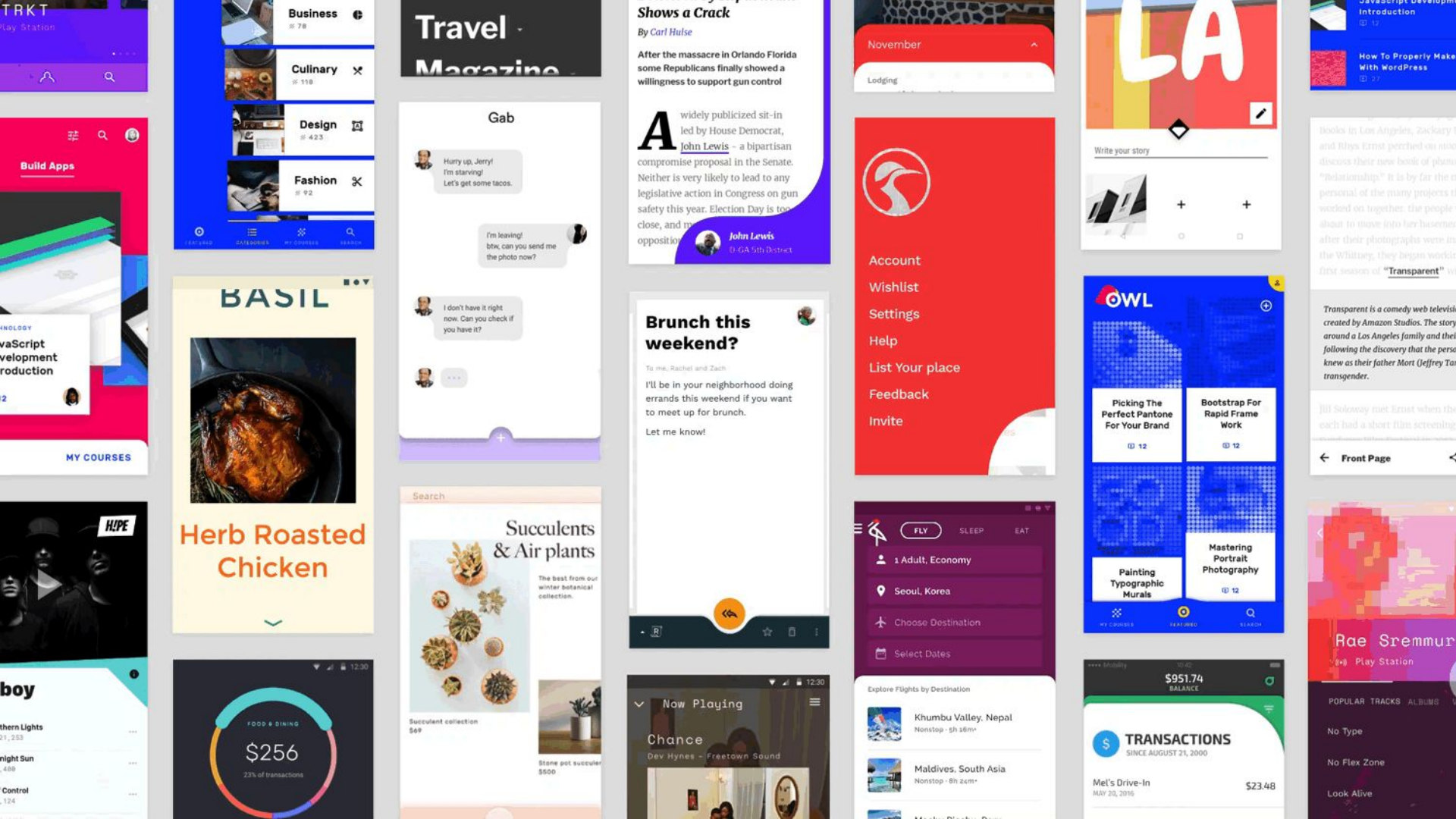React-style, Declarative UI, one language for UI & logic.

6 You won't say "NO" to a design

Yes, you can go beyond the limits and create the most stunning UIs and experiences.
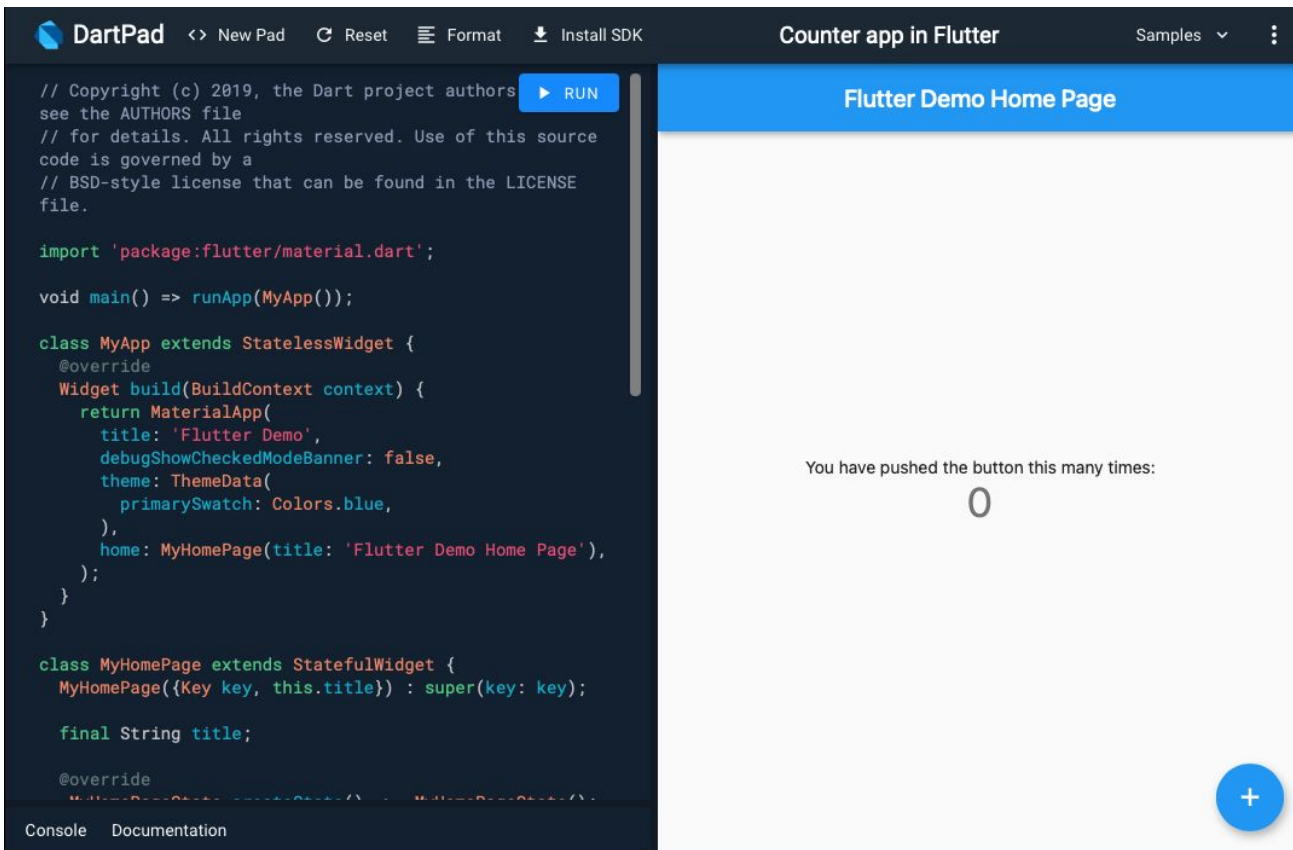
TRKT
Play Station

Business
78

Culinary
118

Design
423

Fashion
92

Build Apps

MY COURSES

FEATURED   CATEGORIES   MY COURSES   SEARCH

Travel
Magazine

Gab

Hurry up, Jerry!
I'm starving!
Let's get some tacos.

I'm leaving!
btw, can you send me
the photo now?

I don't have it right
now. Can you check if
you have it?

Shows a Crack
By Carl Hulse

After the massacre in Orlando Florida
some Republicans finally showed a
willingness to support gun control

A widely publicized sit-in
led by House Democrat,
John Lewis — a bipartisan
compromise proposal in the Senate.
Neither is very likely to lead to any
legislative action in Congress on gun
safety this year. Election Day is too
close, and m
opposition

John Lewis
D-GA 5th District

Brunch this
weekend?

To me, Rachel and Zach

I'll be in your neighborhood doing
errands this weekend if you want
to meet up for brunch.

Let me know!

BASIL

Herb Roasted
Chicken

TECHNOLOGY
JavaScript
Development
Introduction

HYPE

boy

thern Lights
21, 253

night Sun
1, 488

Control
, 124

FOOD & DINING
$256
23% of transactions

Search

Succulents
& Air plants

The best from our
winter botanical
collection.

Succulent collection
$69

Stone pot succulen
$500

Now Playing

Chance

Dev Hynes - Freetown Sound

November

Lodging

Account

Wishlist

Settings

Help

List Your place

Feedback

Invite

FLY   SLEEP   EAT

1 Adult, Economy

Seoul, Korea

Choose Destination

Select Dates

Explore Flights by Destination

Khumbu Valley, Nepal
Nonstop · 5h 16m+

Maldives, South Asia
Nonstop · 8h 24m+

LA

Write your story

OWL

Picking The
Perfect Pantone
For Your Brand
12

Bootstrap For
Rapid Frame
Work
12

Painting
Typographic
Murals
12

Mastering
Portrait
Photography
12

MY COURSES   FEATURED   SEARCH

$951.74
BALANCE

TRANSACTIONS
SINCE AUGUST 21, 2000

Mel's Drive-In
MAY 20, 2016 $23.48

Javascript Development
Introduction
17

How To Properly Make
With WordPress
27

books in Los Angeles, Zackary
and Rhys Ernst perched on
discuss their new book of phot
"Relationship". It is by far the
of the many projects
worked on together, the people
about to move into her basemen
after their photographs were
the Whitney, they began worki
first season of "Transparent"

Transparent is a comedy web televis
created by Amazon Studios. The sto
around a Los Angeles family and the
following the discovery that the per
knew as their father Mort (Jeffrey Ta
transgender.

Jill Soloway met Ernst when the
each had a short film screening

Front Page

Rae Sremmur
Play Station

POPULAR TRACKS   ALBUMS

No Type

No Flex Zone

Look Alive

Let's Flutter

Where to start

1. Try it on DartPad.dev

2. Install

flutter.dev/docs/get-started/install

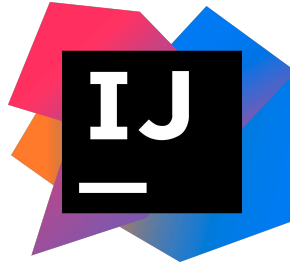You can install it on → Windows, mac, linux

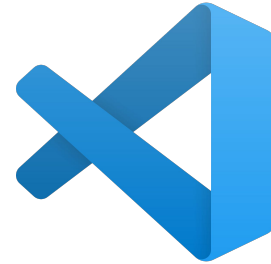## *2. Choose an IDE*

FAQ:
- How to choose?
- Which IDE is better?
- Is there other choices?

Android
Studio

IntelliJ

VS Code

Let's Flutter

Fun Facts

What StackOverflow has to say?

Dart is the 7th **loved** language by developers.

| Loved | Dreaded | Wanted | % of developers who are developing with the language or technology and have expressed interest in continuing to develop with it |

Language	%
Rust	86.1%
TypeScript	67.1%
Python	66.7%
Kotlin	62.9%
Go	62.3%
Julia	62.2%
Dart	62.1%
C#	59.7%
Swift	59.5%
JavaScript	58.3%
SQL	56.6%
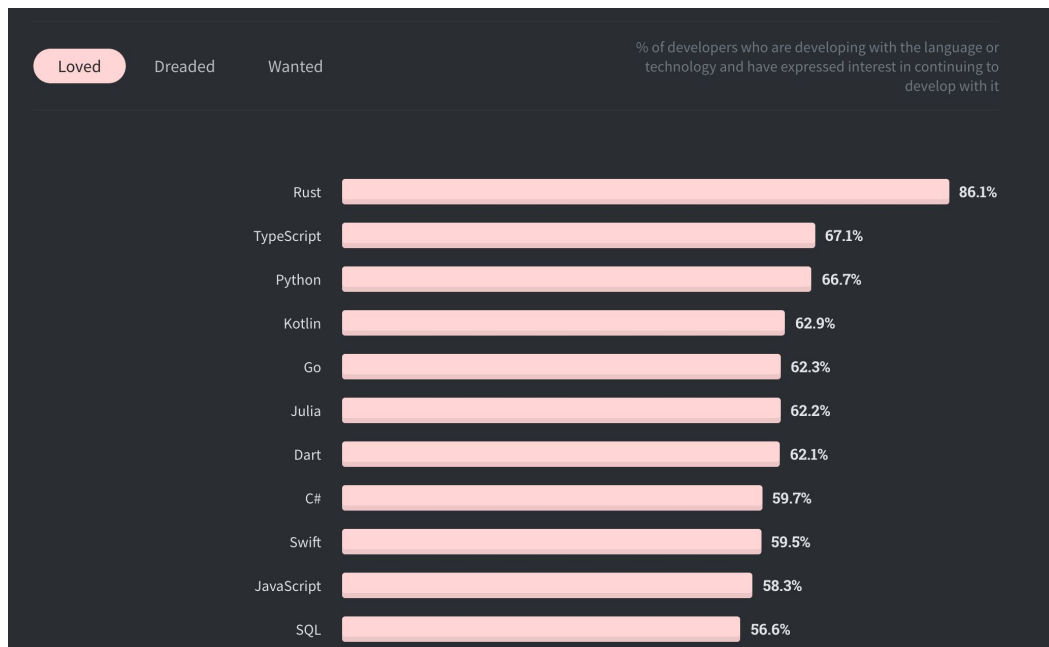
What StackOverflow has to say?

Flutter is the 3th **loved** framework by developers.

Loved | Dreaded | Wanted

% of developers who are developing with the language or technology and have expressed interest in continuing to develop with it

Framework	%
.NET Core	71.5%
Torch/PyTorch	70.5%
Flutter	68.8%
Pandas	68.4%
Teraform	68.0%
Keras	67.1%
Node.js	66.8%
TensorFlow	65.2%
Ansible	58.5%
React Native	57.9%
Apache Spark	57.5%
Unity 3D	56.0%

What StackOverflow has to say?

Flutter is the 4th **wanted** framework by developers.

Loved	Dreaded	Wanted

% of developers who are not developing with the language or technology but have expressed interest in developing with it

Node.js	18.1%
TensorFlow	17.2%
React Native	14.0%
Flutter	10.7%
Unity 3D	9.2%
.NET Core	8.3%
Torch/PyTorch	6.7%
Unreal Engine	6.3%
Hadoop	5.6%
Apache Spark	5.0%
Pandas	4.8%
Xamarin	4.5%
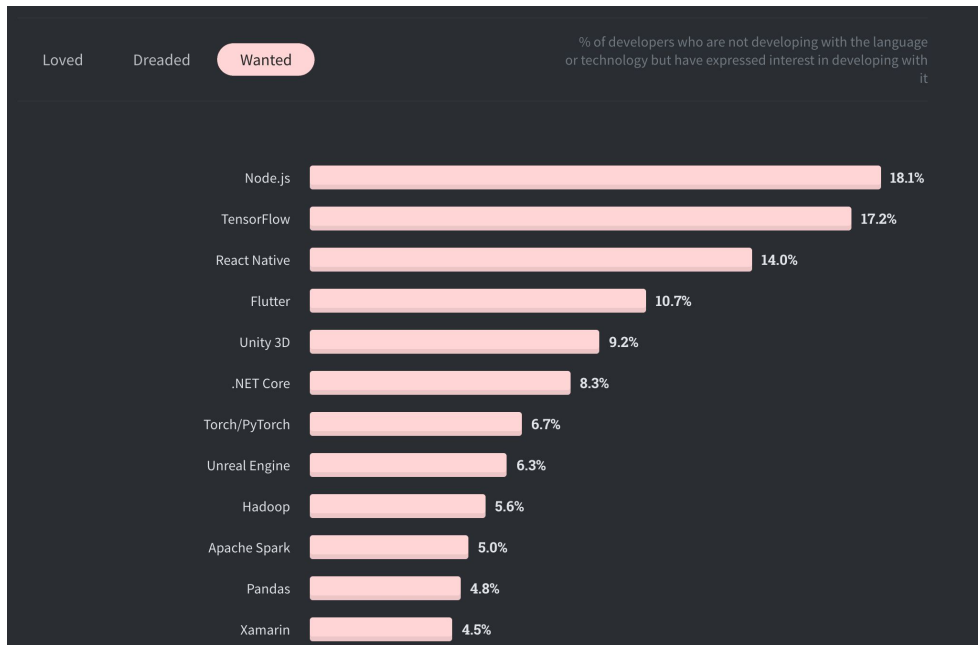
& GitHub?

On the Octoverse, a yearly report by GitHub, Flutter is 3rd top project.

Top and trending projects

Open source projects are growing on GitHub, from one-line programs to projects with nearly 20,000 contributors. The open source repositories created this year make up 30% of all open source projects on GitHub.*

Top open source projects by contributors

This year, popular open source projects are topping 10K contributors. Two have been on this list since 2016: microsoft/vscode and ansible/ansible. New in 2019 are flutter/flutter, firstcontributions/first-contributions, and home-assistant/home-assistant.*

NUMBER OF CONTRIBUTORS TO OPEN SOURCE PROJECTS

01	microsoft/vscode	19.1k
02	MicrosoftDocs/azure-docs	14k
03	flutter/flutter	13k
04	firstcontributions/first-contributions	11.6k
05	tensorflow/tensorflow	9.9k
06	facebook/react-native	9.1k
07	kubernetes/kubernetes	6.9k
08	DefinitelyTyped/DefinitelyTyped	6.9k
09	ansible/ansible	6.8k
10	home-assistant/home-assistant	6.3k

& GitHub?

2nd fastest growing open-source project by contributions.

Fastest growing open source projects by contributors

Kits and frameworks for building apps and websites across languages and platforms are seeing contributor growth this year. Since its 1.0 release in December 2018, flutter/flutter has climbed to #2.*

CHANGE IN CONTRIBUTIONS TO OPEN SOURCE PROJECTS

01	aspnet/AspNetCore	346%
02	flutter/flutter	279%
03	MicrosoftDocs/vsts-docs	264%
04	istio/istio	194%
05	aws-amplify/amplify-js	188%
06	helm/charts	184%
07	ValveSoftware/Proton	182%
08	gatsbyjs/gatsby	179%
09	storybookjs/storybook	178%
10	cypress-io/cypress	178%

& GitHub?

Dart is the TOP fastest growing language by 532%.

CHANGE IN PROGRAMMING LANGUAGE USE, 2018–2019

01	Dart	532%
02	Rust	235%
03	HCL	213%
04	Kotlin	182%
05	TypeScript	161%
06	PowerShell	154%
07	Apex	154%
08	Python	151%
09	Assembly	149%
10	Go	147%

Fastest growing languages

With Flutter in our trending repositories, it's not surprising that Dart gained contributors this year. We also saw trends toward statically typed languages focused on type safety and interoperability: the Rust, Kotlin, and TypeScript communities are still growing fast.*

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Let's Explore Some Code

Let's Flutter

Go Further

Your FIRST destination should always be:

flutter.dev

api.flutter.dev

tip: follow anyone with a 💙 after their name on twitter :)

Let's Flutter

Thank you!

Upcoming: Welcome to The Dart Side

fairybits.com

@pr_Mais

/in/maisalheraki