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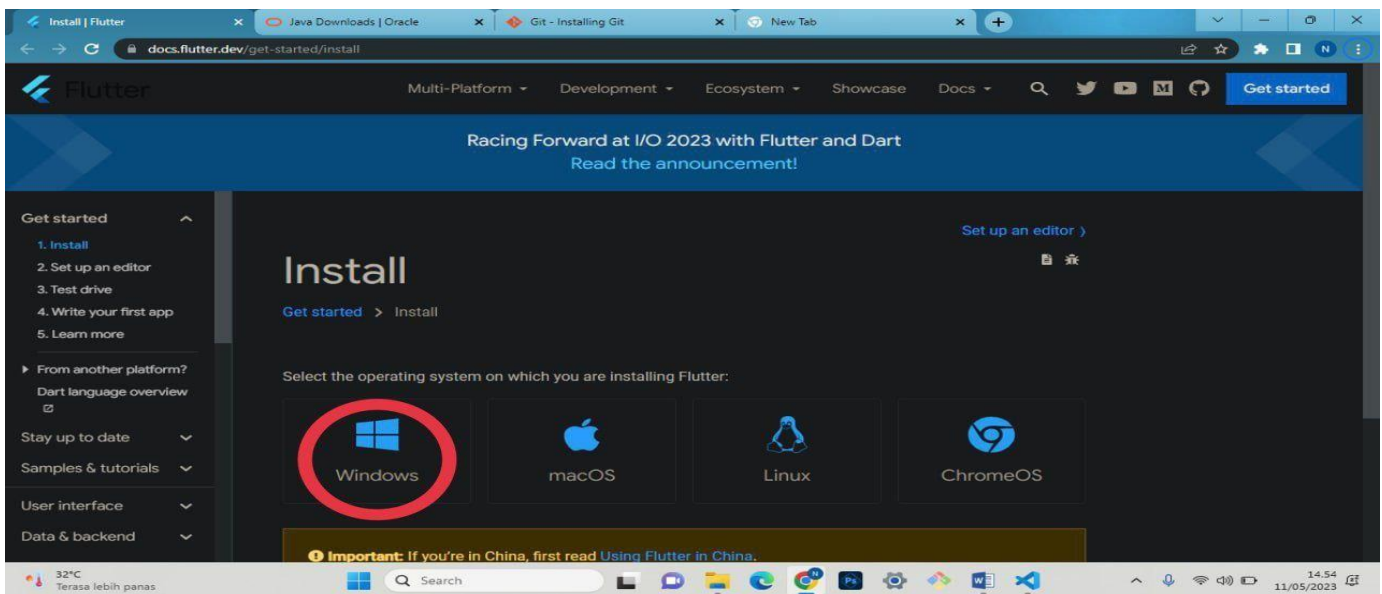
Kelas: TI.21.A.2.

UTS Mobile.

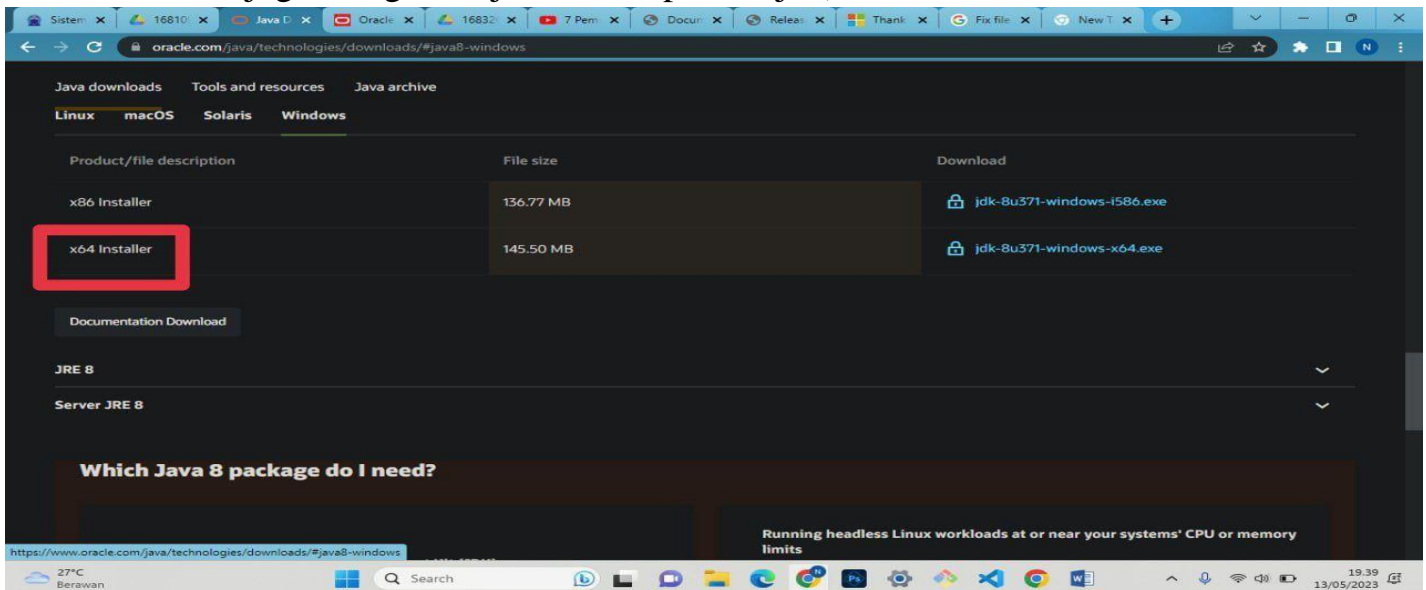
Tutorial Membuat Musik Dengan Tampilan Flutter.

Pertama-tama kita menginstal Flutter, karena laptop saya spesifikasi windows.
Maka saya memilih mengistalnya yang windows.

Web nya untuk instalasi : <https://docs.flutter.dev/get-started/install>

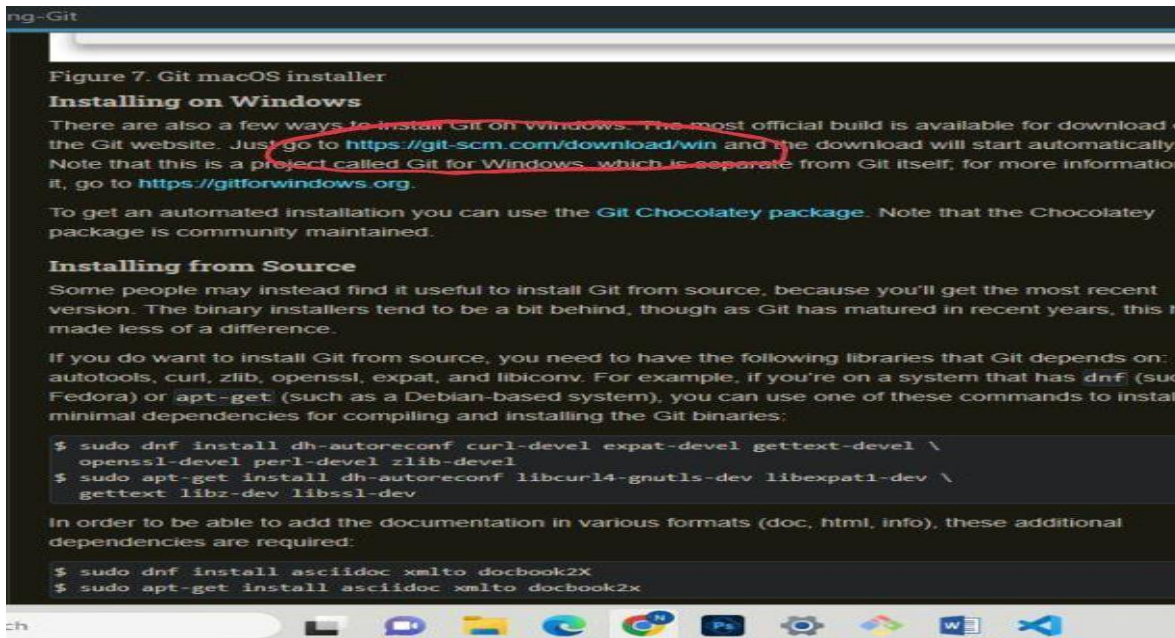


Lalu kita juga menginstal java development (jdk)

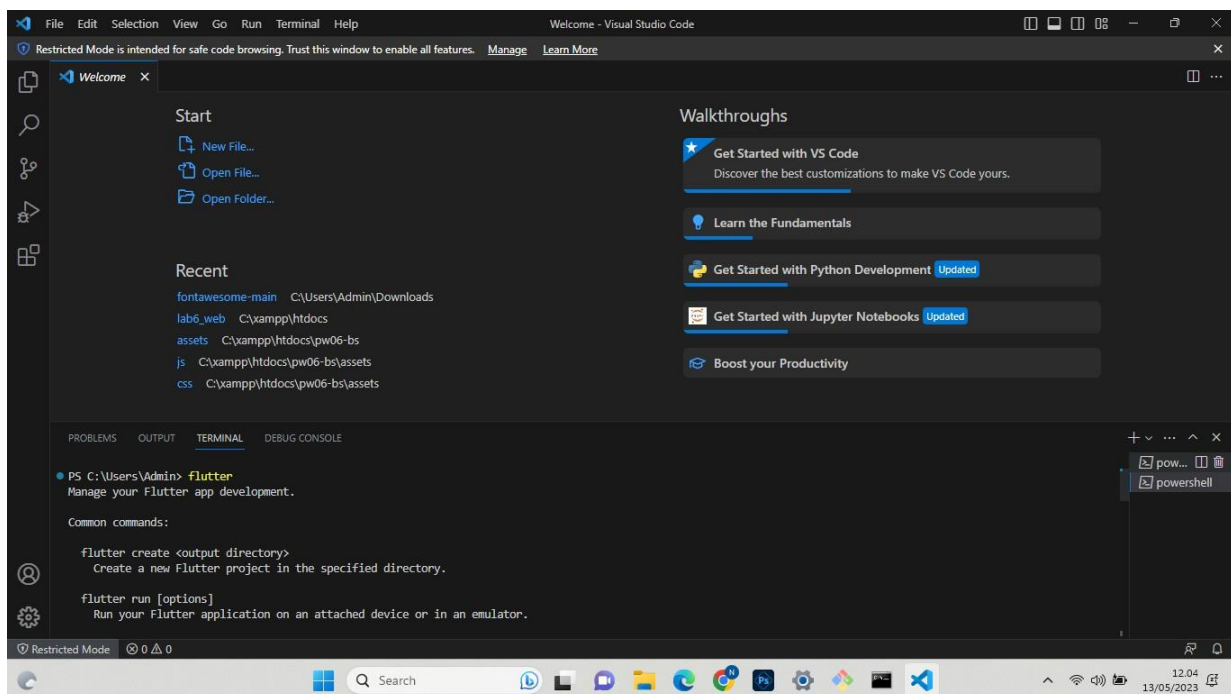


Apabila akses untuk instalasi java development (jdk) terkunci, maka kita membuat akun terlebih dahulu baru login akun dengan username dan password. Barulah instalasi java development (jdk).

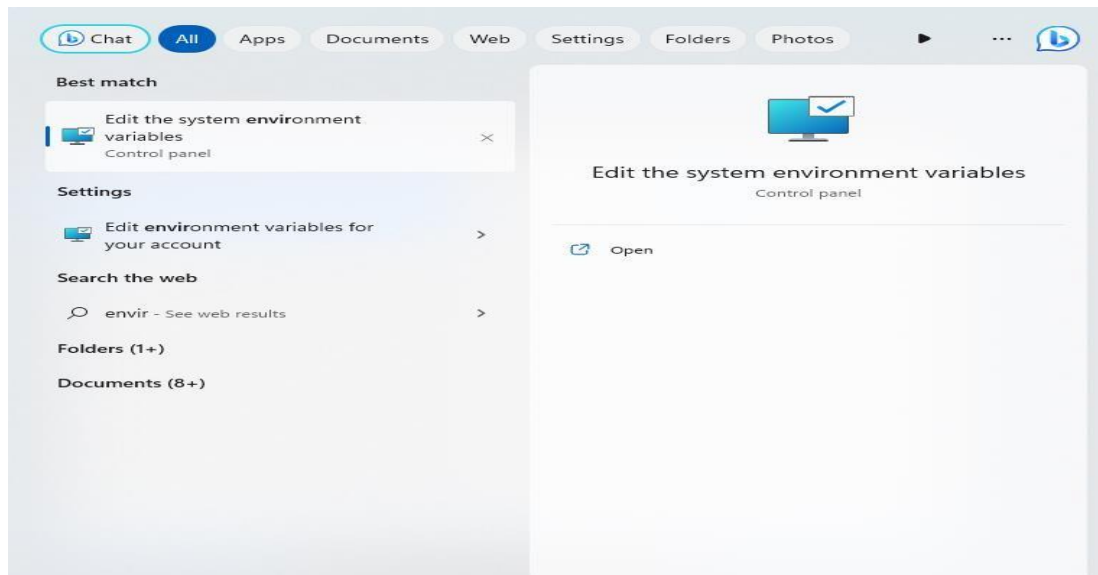
Lalu, menginstal git.



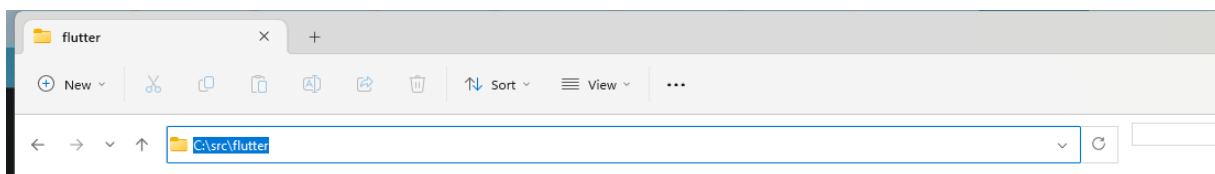
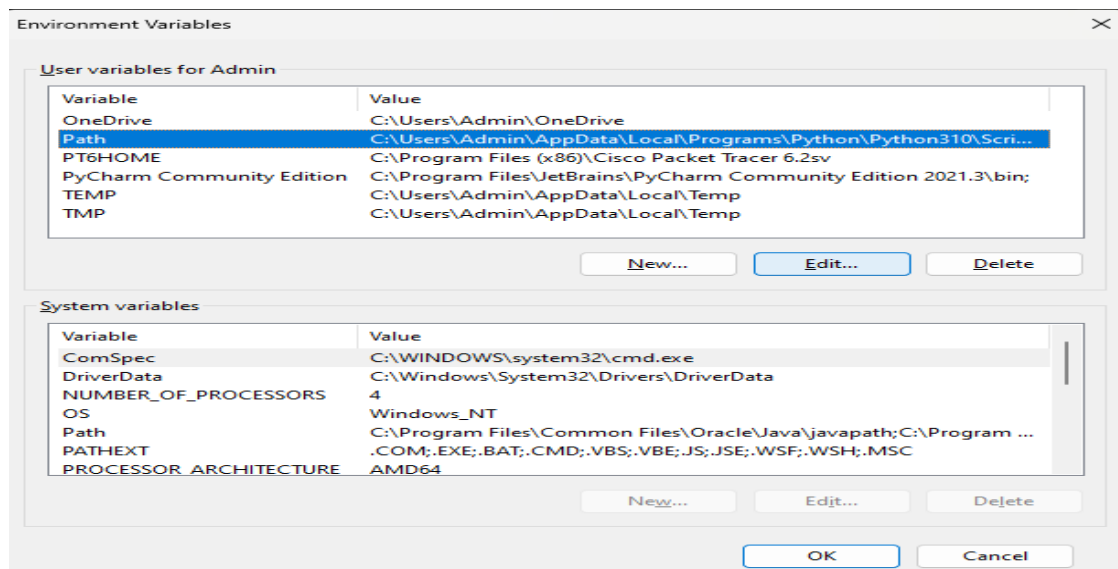
Serta menginstal Visual Studio Code



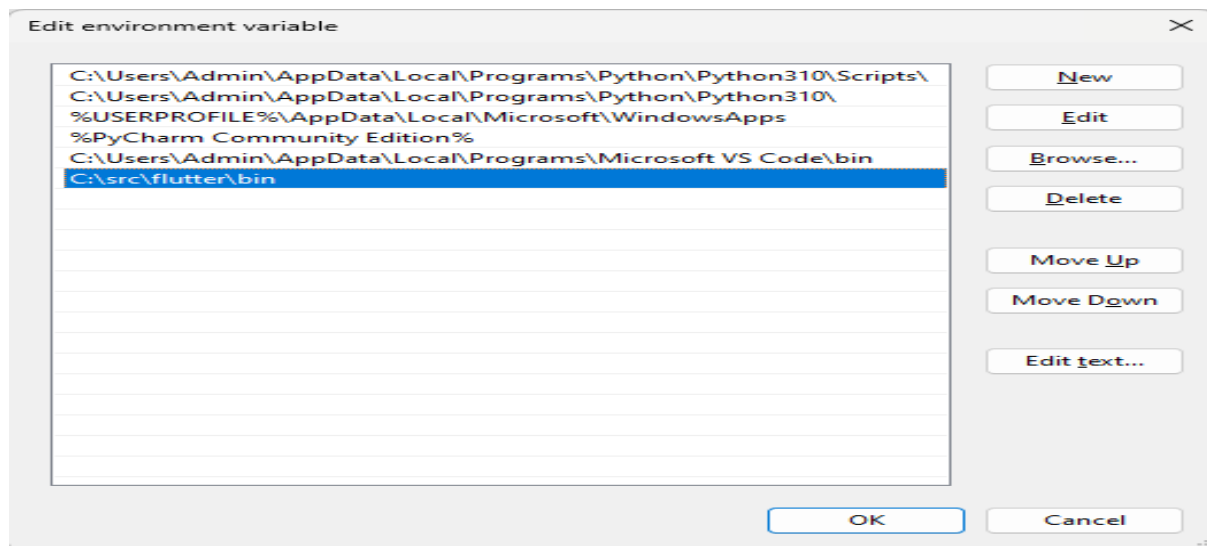
Untuk menempatkan file Flutter, pencet Search. Lalu tulis environment variables.



Pilih path, lalu new arahkan ke file flutternya.



Kita copy paste nama file tersebut, lalu pencek ok.



Buka CMD, lalu ketik flutter.

```
cmd Command Prompt - flutter
Microsoft Windows [Version 10.0.22621.1555]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Admin>flutter

A new version of Flutter is available!
To update to the latest version, run "flutter upgrade".

Manage your Flutter app development.

Common commands:

  flutter create <output directory>
    Create a new Flutter project in the specified directory.

  flutter run [options]
    Run your Flutter application on an attached device or in an emulator.

Usage: flutter <command> [arguments]

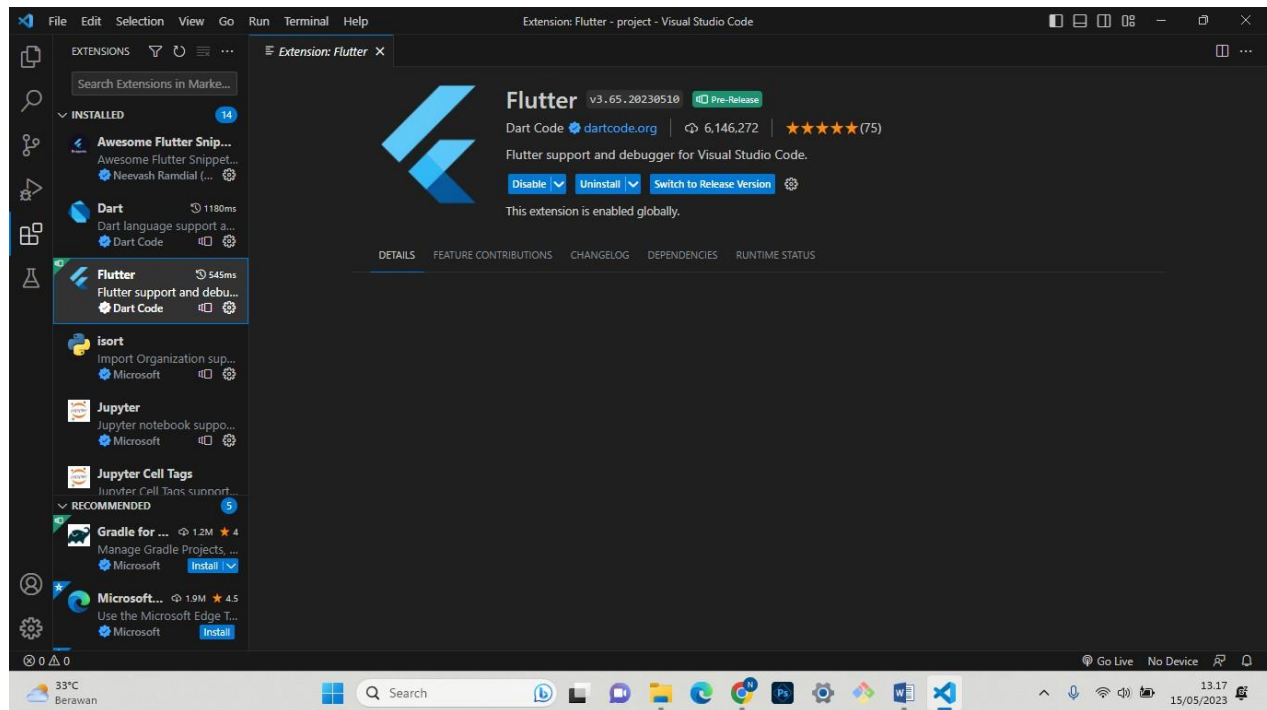
Global options:
-h, --help           Print this usage information.
-v, --verbose        Noisy logging, including all shell commands executed.
                     If used with "--help", shows hidden options. If used with "flutter doctor", shows additional
on. (Use "-vv" to force verbose logging in those cases.)
-d, --device-id      Target device id or name (prefixes allowed).
--version            Reports the version of this tool.
--suppress-analytics Suppress analytics reporting when this command runs.

Available commands:

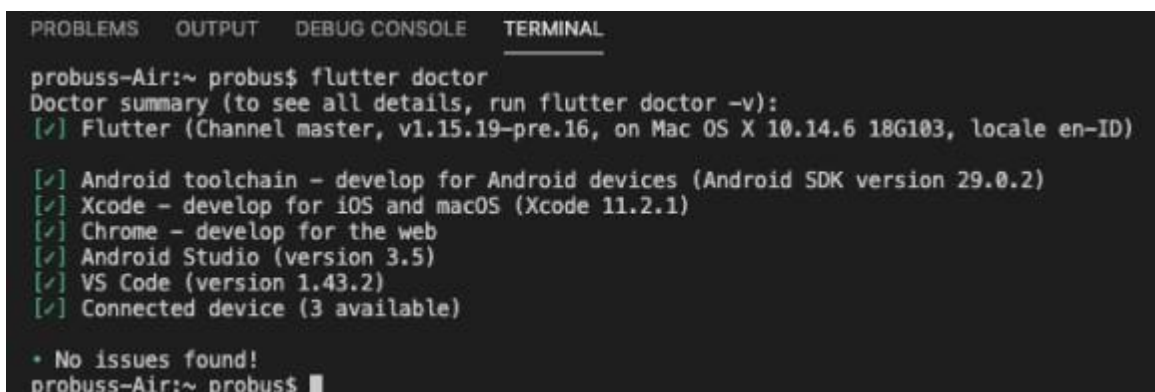
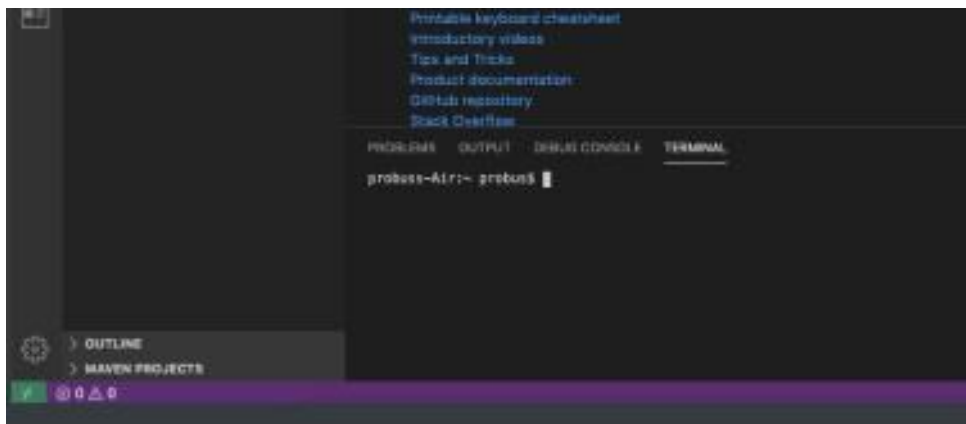
Flutter SDK
  bash-completion  Output command line shell completion setup scripts.
  channel          List or switch Flutter channels.
  config           Configure Flutter settings.
  doctor           Show information about the installed tooling.
  downgrade        Downgrade Flutter to the last active version for the current channel.
  precache         Populate the Flutter tool's cache of binary artifacts.
  upgrade          Upgrade your copy of Flutter.

Project
```

Buka file studio code, baru kita install flutter.



Lalu buka panel terminal pada panel menu atas "new terminal". Pada bagian bawah akan muncul kotak baru namanya terminal. Lalu ketikkan "flutter doctor" tanpa tanda petik.



Selanjutnya ketik "flutter channel".

```
probuss-Air:~ probus$ flutter channel
Flutter channels:
* master
  dev
  beta
  stable
probuss-Air:~ probus$
```

Untuk setingan flutter agar bisa berjalan di chrome sebagai emulator jalankan perintah ini.

```
flutter channel master
flutter upgrade
flutter config --enable-web
```

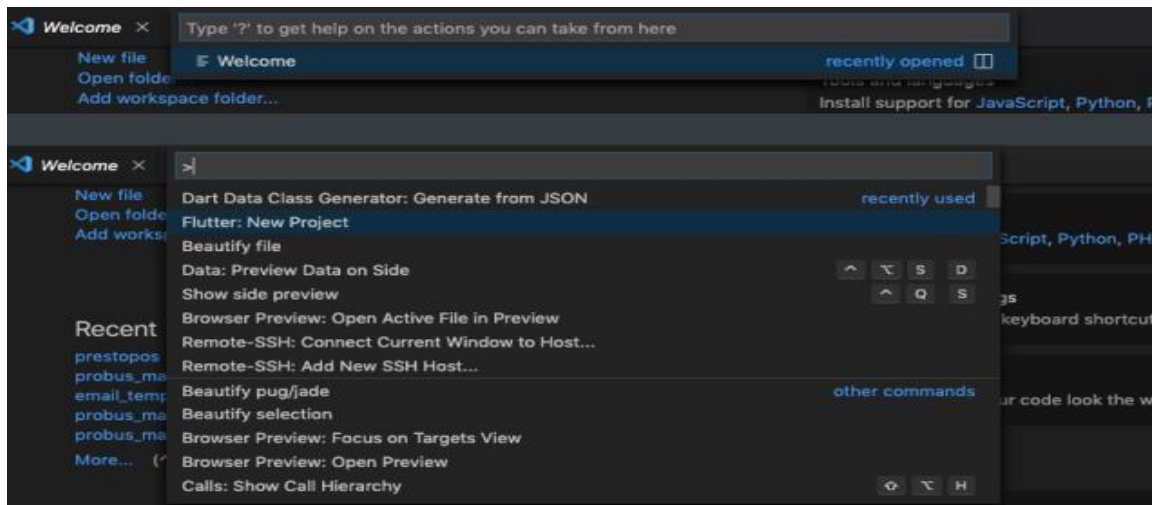
Selanjutnya ketik flutter devices untuk mengetahui device emulator apa saja yang telah terhubung,

```
probuss-Air:~ probus$ flutter devices
3 connected devices:

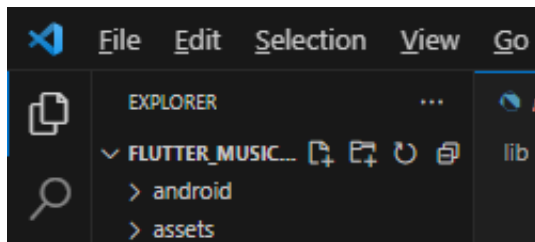
macOS      • macOS      • darwin-x64      • Mac OS X 10.14.6 18G103
Chrome     • chrome     • web-javascript  • Google Chrome 80.0.3987.163
Web Server • web-server • web-javascript  • Flutter Tools
probuss-Air:~ probus$
```

Barulah kita membuat file di Visual Studio Code.

Tekan ctrl+shift+p, untuk membuat file



Lalu, tulis nama file yang kita inginkan. Saya menamainya flutter_music-main



Codingannya:

```
import 'dart:ui';

import 'package:audioplayers/audioplayers.dart';
import 'package:flutter/material.dart';

void main() {
  runApp(const MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: HomePage(),
    );
  }
}
```

```

class HomePage extends StatefulWidget {
  const HomePage({Key? key}) : super(key: key);

  @override
  State<HomePage> createState() => _HomePageState();
}

class _HomePageState extends State<HomePage> {
  //setting the project url
  String img_cover_url =
    "https://i.pinimg.com/736x/a7/a9/cb/a7a9cbcefc58f5b677d8c480cf4ddc5d.jpg";

  bool isPlaying = false;
  double value = 0;
  final player = AudioPlayer();
  Duration? duration;

  void initPlayer() async {
    await player.setSource(AssetSource("music.mp3"));
    duration = await player.getDuration();
  }

  //init the player
  @override
  void initState() {
    // TODO: implement initState
    super.initState();
    initPlayer();
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: Stack(
        children: [
          Container(
            constraints: BoxConstraints.expand(),
            height: 300.0,
            width: 300.0,
            decoration: BoxDecoration(
              image: DecorationImage(
                image: AssetImage("assets/cover.jpg"),
                fit: BoxFit.cover,
              ),
            ),
          ),
        ],
      ),
    );
  }
}

```



```

    ),
    child: BackdropFilter(
      filter: ImageFilter.blur(sigmaX: 28, sigmaY: 28),
      child: Container(
        color: Colors.black.withOpacity(0.6),
      ),
    ),
  ),
),
Column(
  mainAxisAlignment: MainAxisAlignment.center,
  crossAxisAlignment: CrossAxisAlignment.center,
  children: [
    //setting the music cover
    ClipRRect(
      borderRadius: BorderRadius.circular(30.0),
      child: Image.asset(
        "assets/cover.jpg",
        width: 250.0,
      ),
    ),
    ),
    SizedBox(
      height: 10.0,
    ),
    Text(
      "Summer",
      style: TextStyle(
        color: Colors.white, fontSize: 36, letterSpacing: 6),
    ),
    //Setting the seekbar
    SizedBox(
      height: 50.0,
    ),
    Row(
      mainAxisAlignment: MainAxisAlignment.center,
      children: [
        Text(
          "${(value / 60).floor()}: ${(value % 60).floor()}",
          style: TextStyle(color: Colors.white),
        ),
        Container(
          width: 260.0,
          child: Slider.adaptive(
            onChangeEnd: (new_value) async {
              setState(() {
                value = new_value;
              });
            },
          ),
        ),
      ],
    ),
  ],
),

```

```

        print(new_value);
    });
    await player.seek(Duration(seconds: new_value.toInt()));
  },
  min: 0.0,
  value: value,
  max: 214.0,
  onChanged: (value) {},
  activeColor: Colors.white,
),
),
Text(
  "${duration!.inMinutes} : ${duration!.inSeconds % 60}",
  style: TextStyle(color: Colors.white),
),
],
),
//setting the player controller
SizedBox(
  height: 60.0,
),
Row(
  mainAxisAlignment: MainAxisAlignment.center,
  children: [
    Container(
      decoration: BoxDecoration(
        borderRadius: BorderRadius.circular(60.0),
        color: Colors.black87,
        border: Border.all(color: Colors.white38),
      ),
      width: 50.0,
      height: 50.0,
      child: InkWell(
        onTapDown: (details) {
          player.setPlaybackRate(0.5);
        },
        onTapUp: (details) {
          player.setPlaybackRate(1);
        },
        child: Center(
          child: Icon(
            Icons.fast_rewind_rounded,
            color: Colors.white,
          ),
        ),
      ),
    ),
  ],
),

```

```

    ),
  ),
  Container(
    margin: EdgeInsets.symmetric(horizontal: 20.0),
    decoration: BoxDecoration(
      borderRadius: BorderRadius.circular(60.0),
      color: Colors.black87,
      border: Border.all(color: Colors.pink),
    ),
    width: 60.0,
    height: 60.0,
    child: InkWell(
      onTap: () async {
        //setting the play function
        await player.resume();
        player.onPositionChanged.listen(
          (Duration d) {
            setState(() {
              value = d.inSeconds.toDouble();

              print(value);
            });
          },
        );
        print(duration);
      },
      child: Center(
        child: Icon(
          Icons.play_arrow,
          color: Colors.white,
        ),
      ),
    ),
  ),
  Container(
    decoration: BoxDecoration(
      borderRadius: BorderRadius.circular(60.0),
      color: Colors.black87,
      border: Border.all(color: Colors.white38),
    ),
    width: 50.0,
    height: 50.0,
    child: InkWell(
      onTapDown: (details) {
        player.setPlaybackRate(2);
      },
    ),
  ),

```

```
    },  
    onTapUp: (details) {  
      player.setPlaybackRate(1);  
    },  
    child: Center(  
      child: Icon(  
        Icons.fast_forward_rounded,  
        color: Colors.white,  
      ),  
    ),  
  ),  
),  
],  
),  
],  
),  
],  
),  
];  
}  
}
```

Outputnya:

