

ANANYA BILLAVA
INT19IS022
C1 BATCH

1. Build a flutter App called as Xylophone which imitates the behavior of a physical Xylophone, where in it has bunch of buttons, with different colors stretched to the screen. Upon click of each button, different audio notes need to be played.

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

void main() {
  runApp(MaterialApp(
    home: Scaffold(
      appBar: AppBar(title: Text('XYLOPHONE022'), centerTitle: true,),
      body: Xylo(),
    ),
  ));
}

class Xylo extends StatefulWidget {
  const Xylo({Key? key}) : super(key: key);
  @override
  _XyloState createState() => _XyloState();
}

class _XyloState extends State<Xylo> {
  void playSound(int noteNumber) {
    final player = AudioCache();
    player.play("note$noteNumber.wav");
  }
  @override
  Widget build(BuildContext context) {
    return Column(
      crossAxisAlignment: CrossAxisAlignment.stretch,
      children: [
        Expanded(child: TextButton(
          style: TextButton.styleFrom(
            backgroundColor: Colors.purple
          ),
          onPressed: () {
            playSound(1);
          },
          child: Text ('First'),
        )),
        Expanded(child: TextButton(
          style: TextButton.styleFrom(
```

```

        backgroundColor: Colors.indigo
      ),
      onPressed: () {
        playSound(2);
      },
      child: Text('Second'),
    ),),
    Expanded(child: TextButton(
      style: TextButton.styleFrom(
        backgroundColor: Colors.blue
      ),
      onPressed: () {
        playSound(3);
      },
      child: Text('Third'),
    ),),
    Expanded(child: TextButton(
      style: TextButton.styleFrom(
        backgroundColor: Colors.green
      ),
      onPressed: () {
        playSound(4);
      },
      child: Text('Fourth'),
    ),),
    Expanded(child: TextButton(
      style: TextButton.styleFrom(
        backgroundColor: Colors.yellow
      ),
      onPressed: () {
        playSound(5);
      },
      child: Text('Fifth'),
    ),),
    Expanded(child: TextButton(
      style: TextButton.styleFrom(
        backgroundColor: Colors.orange
      ),
      onPressed: () {
        playSound(6);
      },
      child: Text('Sixth'),
    ),),
    Expanded(child: TextButton(
      style: TextButton.styleFrom(
        backgroundColor: Colors.red
      ),
      onPressed: () {

```

```
        playSound(7);
      },
      child: Text('Seventh'),
    ),)
  ],
);
}
```

