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**Question No.1**

**Code:**

import 'dart:math';

import 'package:flutter/material.dart';

void main() {

  runApp(const ballpage());

}

class ballpage extends StatelessWidget {

  const ballpage({Key? key}) : super(key: key);

  @override

  Widget build(BuildContext context) {

    Random randomnumber = Random();

    int num = randomnumber.nextInt(4) + 1;

    return MaterialApp(

      home: Scaffold(

        backgroundColor: Color.fromARGB(255, 11, 120, 209),

        appBar: AppBar(

          title: Text("Ask Me Anything"),

          backgroundColor: Color.fromARGB(255, 3, 83, 202),

        ),

        body: Center(

          child: Container(

            child: FlatButton(

                onPressed: () {

                  print("I got clicked");

                  print('$num');

                },

                child: Image.asset('assets/ball5.png')),

          ),

        ),

      ),

    );

  }

}

**Output:**

Icon

Description automatically generated

**Question No.2**

**Code:**

import 'package:flutter/material.dart';

import 'package:audioplayers/audioplayers.dart';

void main() {

  runApp(const lab\_5\_2());

}

class lab\_5\_2 extends StatefulWidget {

  const lab\_5\_2({Key? key}) : super(key: key);

  @override

  State<lab\_5\_2> createState() => \_MyAppState();

}

class \_MyAppState extends State<lab\_5\_2> {

  AudioCache audioCache = AudioCache();

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      home: Scaffold(

          body: Container(

        child: Row(crossAxisAlignment: CrossAxisAlignment.stretch, children: [

          custombutton(1, Colors.yellow),

          custombutton(2, Colors.black),

          custombutton(3, Colors.purple),

          custombutton(4, Colors.blue),

          custombutton(5, Colors.orange),

          custombutton(6, Colors.red),

          custombutton(7, Colors.green),

        ]),

      )),

    );

  }

  Expanded custombutton(audiofile, mycolor) {

    return Expanded(

        child: FlatButton(

      color: mycolor,

      onPressed: () {

        audioCache.play('note$audiofile.wav');

      },

      child: Text(""),

    ));

  }

}

**Output:**

Chart, bar chart

Description automatically generated