

## Practical-7

**Aim : Styling application by applying responsive and adaptive design concepts.**

**Code :**

MAIN.DART

```
import 'package:flutter/material.dart';
import 'home.dart';
void main()
{
  runApp(const MyApp());
}
class MyApp extends StatelessWidget {
  const MyApp(

    ({super.key});

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      title: 'Flutter Demo',
      theme: ThemeData(
        primarySwatch: Colors.brown,
      ),
      home: HomePage(),
    );
  }
}
```

HOME.DART

```
import 'package:flutter/material.dart';
import 'package:pr7/responsive_helper.dart';// TODO Implement this library.
class HomePage extends StatefulWidget{
  @override
  _HomePageState createState()=>_HomePageState();
}
class _HomePageState extends State<HomePage> {
  @override
```

```

Widget build(BuildContext context){
  return Scaffold(
    appBar: AppBar(
      title: Text('Responsive'),
    ),
    body: SafeArea(
      child:CustomResponsiveWidget(
        mobile:Column(
          children: [
            buildBannerSlider(),
            buildIntroText(context),
          ],
        ),
        tab:Row(
          children: [
            buildBannerSlider(),
            Expanded(child:buildIntroText(context)),
          ],
        ),desktop:Container(
          height: 180,
          width: MediaQuery.of(context).size.width,
          child: Row(
            crossAxisAlignment:CrossAxisAlignment.start,
            children: [
              buildBannerSlider(),
              Expanded(child:buildIntroText(context)),
            ],
          ),
        ),
      ),
    ),
  );
}
Widget buildIntroText(BuildContext context){
  return Container(
    child: Text(
      'Hello                      Ayush Prajapati          XR
Pactical - 7',
      style: TextStyle(fontSize: 28),
    ),
  );
}
Container buildBannerSlider(){
  return Container(
    width: 320,
    height: 180,

```

```

        decoration: BoxDecoration(
          gradient: LinearGradient(colors: [Colors.cyanAccent,Colors.lightGreenAccent]),
          borderRadius: BorderRadius.circular(12)
        ),
      );
    }
  }
}

```

## RESPONSIVE.DART

```

import 'package:flutter/material.dart';
class CustomeResponsiveWidget extends StatelessWidget {

  final Widget mobile;
  final Widget tab;
  final Widget desktop;
  const CustomeResponsiveWidget({ super.key,required this.mobile,required this.tab,required
this.desktop});
  @override
  Widget build(BuildContext context){
    return LayoutBuilder(builder: (context,constraints){
      if(constraints.maxWidth<768){
        return mobile;
      }else{
        return tab;
      }
    });
  }
}

```

## Output :

