Practical-7

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

Code:

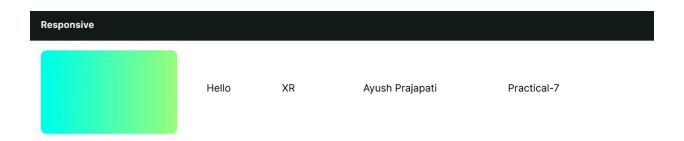
```
MAIN.DART
import 'package:flutter/material.dart';
import 'home.dart';
void main()
 runApp(const MyApp());
class MyApp extends StatelessWidget {
 const MyApp
 ({super.key});
 @override
 Widget build(BuildContext context) {
  return MaterialApp(
   debugShowCheckedModeBanner: false,
   title: 'Flutter 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
```

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```
Widget build(BuildContext context){
  return Scaffold(
   appBar: AppBar(
    title: Text('Responsive'),
   ),
   body: SafeArea(
    child:CustomeResponsiveWidget(
      mobile:Column(
       children: [
        buildBannerSlider(),
        buildIntroText(context),
       ],
      ),
      tab:Row(
       children: [
        buildBannerSlider(),
        Expanded(child:buildIntroText(context)),
       1,
      ),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:





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