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Subject : SDP

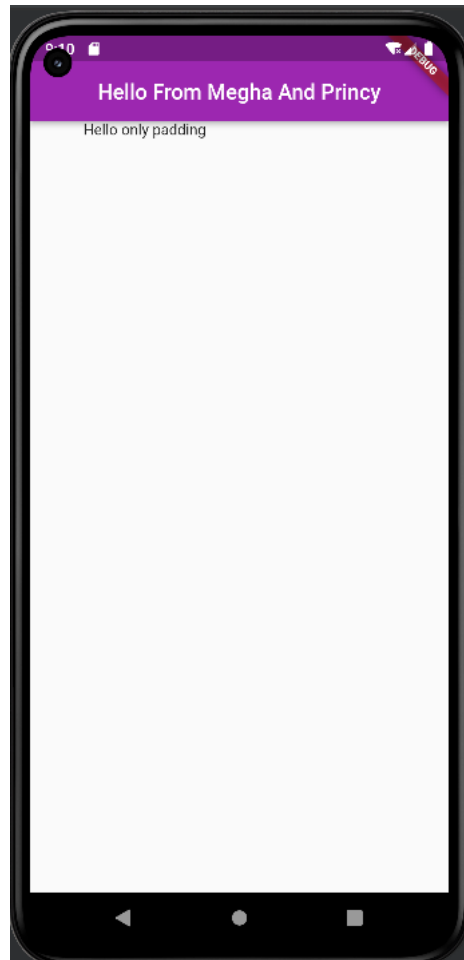
Lab-8

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

void main () => runApp(MaterialApp(
  home: HomeScreen(),
));

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

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text(
          'Hello From Megha And Princy'),
        centerTitle: true,
        backgroundColor: Colors.purple,
      ),
      //When padding layout constrain to its child padding string shirks the
      constrain by given padding causing the child to layout at a smaller size.
      // Padding then size it self it's child size.
      body: Padding(
        //An immutable set of offset in each of four cardinality
        padding: EdgeInsets.only(left:50),
        child: Text("Hello only padding"),
      ),
    );
  }
}
```

```

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void main () => runApp(MaterialApp(
  home: HomeScreen(),
));

class HomeScreen extends StatelessWidget {
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  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text(
          'Hello From Megha And Princy'),
        centerTitle: true,
        backgroundColor: Colors.purple,
      ),
      //When padding layout constrain to its child padding string shirks the
      //constrain by given padding causing the child to layout at a smaller size.
      //Padding then size it self it's child size.
      body: Row(
        //
        mainAxisAlignment: MainAxisAlignment.spaceBetween,
        crossAxisAlignment: CrossAxisAlignment.start,
        // crossAxisAlignment: CrossAxisAlignment.end,
        children: [
          Column(),
          Container(
            color: Colors.orange,
            padding: EdgeInsets.symmetric(horizontal: 50,vertical: 20),
            child: Text("Inside Container 1"),
          ),
          Container(
            color: Colors.green,
            padding: EdgeInsets.symmetric(horizontal: 50,vertical: 20),
            child: Text("Inside Container 1"),
          )
        ],
      ),
    );
  }
}

```



```

import 'package:flutter/material.dart';

void main () => runApp(MaterialApp(
  home: HomeScreen(),
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class HomeScreen extends StatelessWidget {
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      //Padding then size it self it's child size.
      body: Row(
        //
        mainAxisAlignment: MainAxisAlignment.spaceBetween,
        crossAxisAlignment: CrossAxisAlignment.start,
        // crossAxisAlignment: CrossAxisAlignment.end,
        children: [
          Column(
            mainAxisAlignment: MainAxisAlignment.spaceBetween,
            children: [
              Container(
                color: Colors.red,
                padding: EdgeInsets.symmetric(horizontal: 5,vertical: 20),
                child: Text("Inside Container 3"),
              ),
              Container(
                color: Colors.blue,
                padding: EdgeInsets.symmetric(horizontal: 5,vertical: 20),
                child: Text("Inside Container 4"),
              ),
            ],
          ),
          Container(
            color: Colors.orange,
            padding: EdgeInsets.symmetric(horizontal: 5,vertical: 20),
            child: Text("Inside Container 1"),
          ),
          Container(
            color: Colors.green,
            padding: EdgeInsets.symmetric(horizontal: 5,vertical: 20),
            child: Text("Inside Container 2"),
          ),
        ],
      ),
    );
  }
}

```



```

import 'package:flutter/material.dart';
void main() => runApp(MaterialApp(
  home: FinalTest1(),
));
class FinalTest1 extends StatefulWidget {
  @override
  State<FinalTest1> createState() => _FinalTest1State();
}
class _FinalTest1State extends State<FinalTest1> {
  num age = 19.0;
  // const FinalTest1({Key? key}) : super(key: key);
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.lightGreen[200],
      appBar: AppBar(
        title: Text('First App'),
        centerTitle: true,
        backgroundColor: Colors.lightBlue[600],
        elevation: 0.0,
      ),
      floatingActionButton: FloatingActionButton(
        onPressed: () {
          setState(() {
            age += 1;
          });
        },
        child: Icon(Icons.add),
        backgroundColor: Colors.brown,
      ),
      body: Padding(
        padding: EdgeInsets.fromLTRB(30, 40, 30, 0),
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            Center(
              child: CircleAvatar(
                backgroundImage: AssetImage('assets/images/img1.jpg'),
                radius: 60,
              ),
            ),
            Text(
              'NAME: ',
              style: TextStyle(
                color: Colors.grey[800],
                letterSpacing: 2.0,
              ),
            ),
            SizedBox(height: 10),
            Text(
              'Princy Bhalu',
              style: TextStyle(
                color: Colors.blue[900],
                letterSpacing: 2.0,
              ),
            ),
          ],
        ),
      ),
    );
  }
}

```



```

        fontWeight: FontWeight.bold,
        fontSize: 20.0,
      ),
    ),
    SizedBox(height: 40),
    Text(
      'AGE',
      style: TextStyle(
        color: Colors.grey[800],
        letterSpacing: 2.0,
      ),
    ),
    ),
    SizedBox(height: 10),
    Text(
      '$age',
      style: TextStyle(
        color: Colors.blue[900],
        letterSpacing: 2.0,
        fontWeight: FontWeight.bold,
        fontSize: 20.0,
      ),
    ),
    ),
    SizedBox(height: 50),
    Row(
      children: [
        Icon(
          Icons.email_rounded,
          color: Colors.deepPurple[800],
        ),
        SizedBox(width: 12.0),
        Text(
          'princybhalu11@gmail.com',
          style: TextStyle(
            color: Colors.brown[800],
            fontSize: 16.0,
            letterSpacing: 1.5,
          ),
        ),
      ],
    ),
  ],
),
),
),
),
);
}
}

```



```

import 'package:flutter/material.dart';
//import 'package:lab8_2/quote.dart';
import 'quote.dart'; // due to same directory file no need path
void main() => runApp(MaterialApp(
  home: EchoList(),
));
class EchoList extends StatefulWidget {
  const EchoList({Key? key}) : super(key: key);
  @override
  State<EchoList> createState() => _EchoListState();
}
class _EchoListState extends State<EchoList> {
  /*
  List<String> quotes = [
    'The truth is really pure and never simple',
    'I see humans but no humanity',
    'The time is always right to do what is right'
  ];
  // List<String> author = [];
  */
  /* this will create error..because list is now not of string....
  List<String> quotes = [
    Quote(text: 'The truth is really pure and never simple',author:
    'Akash'),
  ];
  */
  List<Quote> quotes = [
    Quote(text: 'The truth is really pure and never simple', author:
    'Princy'),
    Quote(author: 'Princy', text: 'I see humans but no humanity'),
    Quote(text: 'The time is always right to do what is right', author:
    'Princy'),
  ];

  Widget quoteTemplate(quote) {
    return Card(
      margin: EdgeInsets.fromLTRB(20.0, 30.0, 40.0, 10.0),
      child: Padding(
        padding: const EdgeInsets.all(12.0),
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.stretch,
          children: [
            Text(
              quote.text,
              style: TextStyle(
                fontSize: 20,
                color: Colors.deepPurple,
              ),
            ),
            //A box with a specified size.
            // If given a child, this widget forces it to have a specific
            // width and/or height. These values will be ignored if this widget's
            // parent does not permit them. For example, this happens if the parent
            // is the screen (forces the child to be the same size as the parent),
            // or another SizedBox (forces its child to have a specific width

```

```

and/or height). This can be remedied by
    // wrapping the child SizedBox in a widget that does permit it to be
any
    // size up to the size of the parent, such as Center or Align.
    SizedBox(height: 10),
    Text(
      quote.author,
      style: TextStyle(
        fontSize: 26,
        color: Colors.deepPurple,
      ),
    ),
  ],
),
),
);
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.lightBlueAccent[100],
    appBar: AppBar(
      title: Text('Quotes'),
      centerTitle: true,
      backgroundColor: Colors.orangeAccent,
    ),
    body: Column(
      // mainAxisAlignment: MainAxisAlignment.center,
      // crossAxisAlignment: CrossAxisAlignment.center,
      children: quotes.map((quote) => quoteTemplate(quote)).toList(),
    ),
  );
}
}

```

