How to Set/Update State of StatefulWidget from other StatefulWidget in Flutter?

1.On Child Widget : add parameter Function paramter

```
class ChildWidget extends StatefulWidget {
  final Function() notifyParent;
  ChildWidget({Key key, @required this.notifyParent}) : super(key: key);
}
```

2.On Parent Widget : create a Function for the child to callback

```
refresh() {
  setState(() {});
}
```

3.On Parent Widget : pass parentFunction to Child Widget

```
new ChildWidget( notifyParent: refresh );
```

4.On Child Widget : call the Parent Function

```
  widget.notifyParent();
```

OLD: Create a global instance of _MyHomePageState. Use this instance in _SubState as _myHomePageState.setState

NEW: No need to create global instance. Instead just pass the parent instance to the child widget

CODE UPDATED AS PER FLUTTER 0.8.2:

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

void main() => runApp(new MyApp());

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return new MaterialApp(
      title: 'Flutter Demo',
      theme: new ThemeData(
```

```dart
          primarySwatch: Colors.blue,
        ),
        home: new MyHomePage(),
      );
    }
  }

  EdgeInsets globalMargin =
      const EdgeInsets.symmetric(horizontal: 20.0, vertical: 20.0);
  TextStyle textStyle = const TextStyle(
    fontSize: 100.0,
    color: Colors.black,
  );

  class MyHomePage extends StatefulWidget {
    @override
    _MyHomePageState createState() => _MyHomePageState();
  }

  class _MyHomePageState extends State<MyHomePage> {
    int number = 0;

    @override
    Widget build(BuildContext context) {
      return new Scaffold(
        appBar: new AppBar(
          title: new Text('SO Help'),
        ),
        body: new Column(
          children: <Widget>[
            new Text(
              number.toString(),
              style: textStyle,
            ),
            new GridView.count(
              crossAxisCount: 2,
              shrinkWrap: true,
              scrollDirection: Axis.vertical,
              children: <Widget>[
                new InkResponse(
                  child: new Container(
                      margin: globalMargin,
                      color: Colors.green,
                      child: new Center(
                        child: new Text(
                          "+",
                          style: textStyle,
                        ),
                      )),
                  onTap: () {
                    setState(() {
                      number = number + 1;
                    });
                  },
                ),
```

```
              new Sub(this),
          ],
        ),
      ],
    ),
    floatingActionButton: new FloatingActionButton(
      onPressed: () {
        setState(() {});
      },
      child: new Icon(Icons.update),
    ),
  );
  }
}

class Sub extends StatelessWidget {

  _MyHomePageState parent;

  Sub(this.parent);

  @override
  Widget build(BuildContext context) {
    return new InkResponse(
      child: new Container(
          margin: globalMargin,
          color: Colors.red,
          child: new Center(
            child: new Text(
              "-",
              style: textStyle,
            ),
          )),
      onTap: () {
        this.parent.setState(() {
          this.parent.number --;
        });
      },
    );
  }
}
```
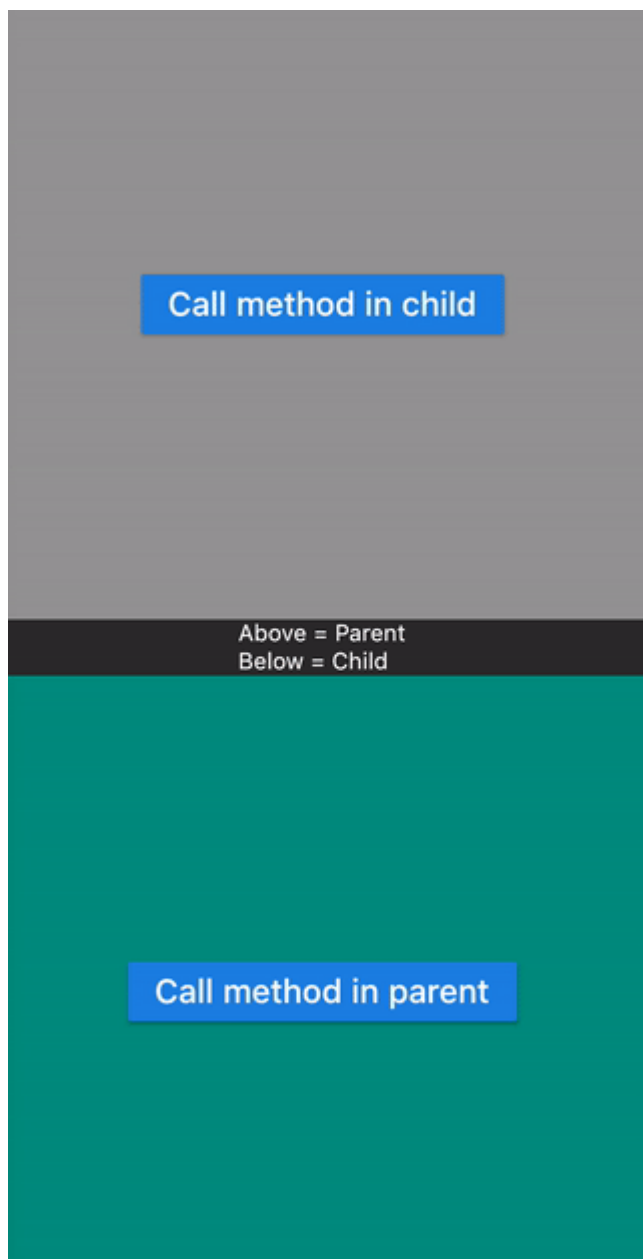
Just let me know if it works.

This examples shows calling a method

1. Defined in Child widget from Parent widget.
2. Defined in Parent widget from Child widget.

```
class ParentPage extends StatefulWidget {
  @override
  _ParentPageState createState() => _ParentPageState();
}

class _ParentPageState extends State<ParentPage> {
  final GlobalKey<ChildPageState> _key = GlobalKey();

  @override
  Widget build(BuildContext context) {
    return Scaffold(
```

```dart
        appBar: AppBar(title: Text("Parent")),
        body: Center(
          child: Column(
            children: <Widget>[
              Expanded(
                child: Container(
                  color: Colors.grey,
                  width: double.infinity,
                  alignment: Alignment.center,
                  child: RaisedButton(
                    child: Text("Call method in child"),
                    onPressed: () => _key.currentState.methodInChild(), // calls method in child
                  ),
                ),
              ),
              Text("Above = Parent\nBelow = Child"),
              Expanded(
                child: ChildPage(
                  key: _key,
                  function: methodInParent,
                ),
              ),
            ],
          ),
        ),
      );
    }

    methodInParent() => Fluttertoast.showToast(msg: "Method called in parent", gravity: ToastGravity.
  }

  class ChildPage extends StatefulWidget {
    final Function function;

    ChildPage({Key key, this.function}) : super(key: key);

    @override
    ChildPageState createState() => ChildPageState();
  }

  class ChildPageState extends State<ChildPage> {
    @override
    Widget build(BuildContext context) {
      return Container(
        color: Colors.teal,
        width: double.infinity,
        alignment: Alignment.center,
        child: RaisedButton(
          child: Text("Call method in parent"),
          onPressed: () => widget.function(), // calls method in parent
        ),
      );
    }
```

```
    methodInChild() => Fluttertoast.showToast(msg: "Method called in child");
  }
```

Tags: **State** / **Flutter**

Related

[A simple way to view ipython notebook](#)

[CSS styling to show end of single text string](#)

[Building SQL Server Database Project In Ubuntu](#)

[How to use Bootstrap 4 in ASP.NET Core](#)

[Fatal Error when starting jupyter notebook](#)

[Using method function in v-if](#)

[Infinite redirect loop in ASP.NET core while enforcing SSL](#)

[How to impliment a sidenav Navigation drawer with a (Mini variant)](#)

[Cannot bind to some ports due to permission denied](#)

[Laravel: String data, right truncated: 1406 Data too long for column](#)

[What's the use of <template> within a <template> in VueJS 2?](#)

[How to use Google API in flutter?](#)

Recent Posts

Pandas how to find column contains a certain value

Recommended way to install multiple Python versions on Ubuntu 20.04

Build super fast web scraper with Python x100 than BeautifulSoup

How to convert a SQL query result to a Pandas DataFrame in Python

How to write a Pandas DataFrame to a .csv file in Python