

Exp – 6

Main.dart

```
import 'package:flutter/material.dart';
import 'package:charts_flutter/flutter.dart' as charts;

void main() => runApp(MaterialApp(home: MyApp()));

class DataPoint {
  final String month;
  final int sales;

  DataPoint(this.month, this.sales);
}

class MyApp extends StatelessWidget {
  final List<DataPoint> data = [
    DataPoint('Jan', 100),
    DataPoint('Feb', 200),
    DataPoint('Mar', 150),
    DataPoint('Apr', 50),
    DataPoint('May', 300),
  ];

  @override
  Widget build(BuildContext context) {
    List<charts.Series<DataPoint, String>> series = [
      charts.Series(
        id: 'Sales',
        data: data,
        domainFn: (DataPoint sales, _) => sales.month,
        measureFn: (DataPoint sales, _) => sales.sales,
        colorFn: (_, __) => charts.MaterialPalette.blue.shadeDefault,
      ),
    ];

    return Scaffold(
      appBar: AppBar(
        title: Text('Bar Chart App'),
      ),
      body: Container(
        padding: EdgeInsets.all(20.0),
        child: Center(
          child: Column(
            children: <Widget>[
              Text(
                'Sales by Month',
                style: TextStyle(
                  fontSize: 24.0,
                  fontWeight: FontWeight.bold,
                ),
              ),
              SizedBox(height: 20.0),
              Expanded(
                child: charts.BarChart(
                  series,
                  animate: true,
                  vertical: true,
                  barRendererDecorator: charts.BarLabelDecorator<String>(),
                  domainAxis: charts.OrdinalAxisSpec(
                    renderSpec: charts.NoneRenderSpec(),
                  ),
                ),
              ),
            ],
          ),
        ),
      ),
    );
  }
}
```

```
}  
}  
}  
}  
],  
),  
),  
),  
);  
}  
}
```

pubsec.yaml

```
name: exp_6  
description: A new Flutter project.  
  
publish_to: 'none' # Remove this line if you wish to publish to pub.dev  
  
version: 1.0.0+1  
  
environment:  
  sdk: '>=2.19.2 <3.0.0'  
  
dependencies:  
  flutter:  
    sdk: flutter  
  charts_flutter : ^0.12.0  
  
  cupertino_icons: ^1.0.2  
  
dev_dependencies:  
  flutter_test:  
    sdk: flutter  
  
  flutter_lints: ^2.0.0  
  
flutter:  
  uses-material-design: true
```