

```
class CandleStickChart : AppCompatActivity()  
{
```

```
    override fun
```

```
onCreate(savedInstanceState: Bundle?) {
```

```
    super.onCreate(savedInstanceState)
```

```
    setContentView(R.layout.activity_candle_stic  
k_chart)
```

```
        setCandleStickChart()
```

```
}
```

```
fun setCandleStickChart()
```

```
{
```

```
    // x values
```

```
    val xvalue = ArrayList<String>()
```

```
    xvalue.add("10:00 AM")
```

```
    xvalue.add("11:00 AM")
```

```
    xvalue.add("12:00 AM")
```

```
xvalue.add( "3:00 PM" )  
xvalue.add( "5:00 PM" )  
xvalue.add( "8:00 PM" )  
xvalue.add( "10:00 PM" )  
xvalue.add( "12:00 PM" )  
  
// Y axis
```

```
val candlestickentry =  
ArrayList<CandleEntry>()
```

```
candlestickentry.add(CandleEntry(0,225.0f,21  
9.84f,224.94f,226.41f))
```

```
candlestickentry.add(CandleEntry(1,228.0f,22  
2.14f,223.00f,212.41f))
```

```
candlestickentry.add(CandleEntry(2,226.84f,2  
17.84f,222.9f,229.41f))
```

```
candlestickentry.add(CandleEntry(3,222.0f,21  
6.12f,214.14f,216.41f))
```

```
candlestickentry.add(CandleEntry(4,226.56f,2  
12.84f,224.33f,229.41f))
```

```
candlestickentry.add(CandleEntry(5,221.12f,269.84f,228.14f,216.41f))
```

```
candlestickentry.add(CandleEntry(6,220.96f,237.84f,224.94f,246.41f))
```

```
    val candledataset =  
CandleDataSet(candlestickentry,"first")
```

```
    candledataset.color =  
Color.rgb(80,80,80)
```

```
    candledataset.shadowColor=  
resources.getColor(R.color.green)
```

```
    candledataset.shadowWidth = 1f
```

```
    candledataset.decreasingColor=  
resources.getColor(R.color.red)
```

```
    candledataset.decreasingPaintStyle =  
Paint.Style.FILL
```

```
    candledataset.increasingColor=  
resources.getColor(R.color.green)
```

```
    candledataset.increasingPaintStyle =  
Paint.Style.FILL
```

```
    val candledata =  
CandleData(xvalue,candledataset)
```

```
    candlechart.data = candledata
```

```
candlechart.setBackgroundColor(resources.getColor(R.color.white))
```

```
    candlechart.animateXY(3000,3000)
```

```
    val xval = candlechart.xAxis
```

```
        xval.position=
```

```
XAxis.XAxisPosition.BOTTOM
```

```
        xval.setDrawGridLines(false)
```

```
}
```

```
}
```

```
<RelativeLayout xmlns:android="http://
schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/
apk/res-auto"
    xmlns:tools="http://schemas.android.com/
tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".CandleStickChart">
```

```
<com.github.mikephil.charting.charts.CandleS
tickChart
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:id="@+id/candlechart"
/>
```

```
</RelativeLayout>
```

pie

```
package com.example.barchartexample
```

```
import android.graphics.Color
```

```
import
```

```
androidx.appcompat.app.AppCompatActivity
```

```
import android.os.Bundle
```

```
import
```

```
com.github.mikephil.charting.components.Legend  
nd
```

```
import
```

```
com.github.mikephil.charting.data.Entry
```

```
import
```

```
com.github.mikephil.charting.data.PieData
```

```
import
```

```
com.github.mikephil.charting.data.PieDataSet
```

```
import
```

```
kotlinx.android.synthetic.main.activity_pie_  
chart.*
```

```
class PieChartActivity : AppCompatActivity()  
{
```

```
    override fun
```

```
onCreate(savedInstanceState: Bundle?) {
```

```
        super.onCreate(savedInstanceState)
```

```
setContentView(R.layout.activity_pie_chart)
```

```
    setPieChart()
```

```
}
```

```
fun setPieChart()
```

```
{
```

```
    // xvalues
```

```
    val xvalues = ArrayList<String>()
```

```
    xvalues.add("Coal")
```

```
    xvalues.add("Petroleum")
```

```
    xvalues.add("Natural Gas")
```

```
    xvalues.add("Renewable Energy")
```

```
    xvalues.add("Nuclear")
```

```
    // yvalues
```

```
        val piechartentry =  
ArrayList<Entry>()  
  
0    piechartentry.add( Entry(23.5f,  
    ))  
1    piechartentry.add( Entry(45.5f,  
    ))  
2    piechartentry.add( Entry(68.5f,  
    ))  
  
    // fill the chart  
    val piedataset =  
PieDataSet(piechartentry, " Consumption")  
  
    piedataset.color=  
resources.getColor(R.color.green)
```



```
        piedataset.sliceSpace=3f
        val data =
PieData( xvalues,piedataset)
        piechart.data = data


        piechart.holeRadius = 5f


piechart.setBackgroundColor(resources.getColor(
R.color.gray))


    }


}
```

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://
schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/
apk/res-auto"
    xmlns:tools="http://schemas.android.com/
tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".PieChartActivity">
```

```
<com.github.mikephil.charting.charts.PieChar
t
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:id="@+id/piechart"
/>
```

```
</RelativeLayout>
```

