

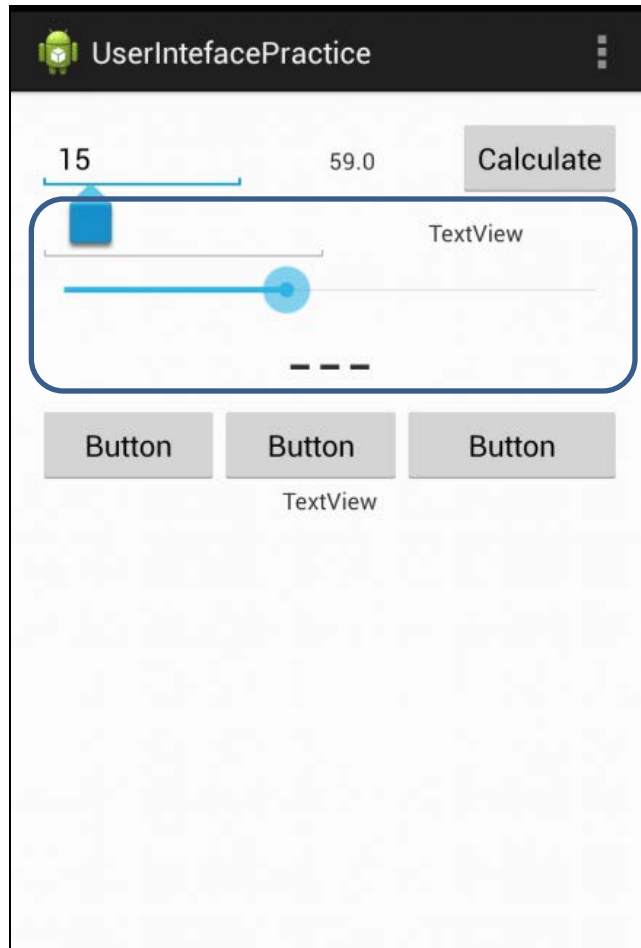
SeekBar Object: Tip Conversion

XML Setup, Initialize, and Listener

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SeekBar



Four Setup Steps:

1. XML
2. Field
3. onCreate()
4. Code the 'Listener'

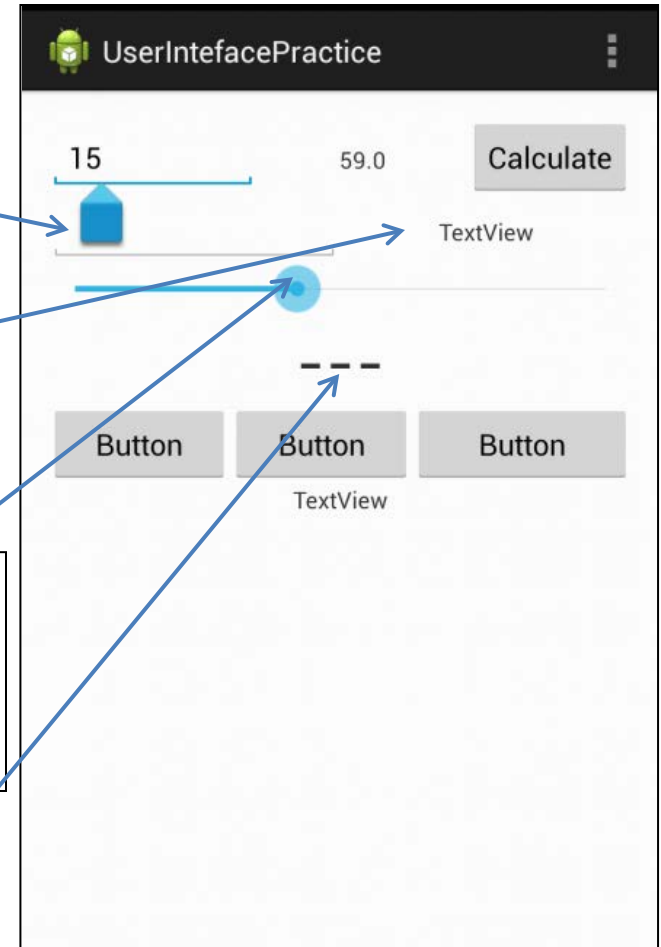
SeekBar XML

```
<EditText  
    android:id="@+id/editTextBill"  
    android:layout_weight = "0.5"  
    android:layout_height="wrap_content"  
/>
```

```
<TextView  
    android:id="@+id/textViewTotal"  
    android:layout_height="wrap_content"  
    android:layout_weight="0.5"  
    android:gravity="center_horizontal"  
    android:text="TextView" />
```

```
<SeekBar  
    android:id="@+id/seekBar1"  
    android:layout_weight = "1.0"  
    android:layout_height="wrap_content" />
```

```
<TextView  
    android:id="@+id/textDisplayPercent"  
    android:layout_weight = "1.0"  
    android:textSize="20dp"  
    android:gravity = "center"  
    android:layout_height="wrap_content"  
    android:text="---" />
```



Fields

```
// Fields for Tip Conversion  
private SeekBar seekBar;  
private TextView textDisplayPercent;  
private EditText editBill;  
private TextView textTotal;
```

Initialize

```
// Seek Bar and Tip Conversion Fields to XML
seekBar = (SeekBar) findViewById(R.id.seekBar1);
textDisplayPercent = (TextView) findViewById(R.id.textDisplayPercent);
editBill = (EditText) findViewById(R.id.editTextBill);
textTotal = (TextView) findViewById(R.id.textViewTotal);

// Set Listener for Seek Bar
seekBar.setOnSeekBarChangeListener(seekBarChangeListener);

// Default Values
editText.setText("10");
editBill.setText("0.00");
```

OnSeekBarChangeListener

```
private OnSeekBarChangeListener seekBarChangeListener =
    new OnSeekBarChangeListener() {

        @Override
        public void onProgressChanged(SeekBar seekBar, int arg1,
            boolean arg2) {
            // TODO Auto-generated method stub
            int progress = seekBar.getProgress();
            textDisplayPercent.setText(String.valueOf(progress));

            Editable eBill = editBill.getText();
            String sBill = String.valueOf(eBill);
            float bill = Float.valueOf(sBill);
            float percent = (float) (progress/100.0);
            float total = bill + (bill*percent);

            textTotal.setText(String.valueOf(total));

        }

        @Override
        public void onStartTrackingTouch(SeekBar arg0) {
            // TODO Auto-generated method stub

        }

        @Override
        public void onStopTrackingTouch(SeekBar arg0) {

        }

    };
```