



Using Custom Controls

Having created your own custom Views, you can use them within code and layouts as you would any other Android control. The snippet below shows how to add the CompassView created in the above example to an Activity, by overriding the onCreate method:

```
@Override  
public void onCreate(Bundle savedInstanceState) {
```

```
    super.onCreate(savedInstanceState);  
    CompassView cv = new CompassView(this);  
    setContentView(cv);  
    cv.setBearing(45);  
}
```

To use the same control within a layout resource, specify the fully qualified class name when you create a new node in the layout definition, as shown in the following XML snippet:

```
<com.paad.compass.CompassView  
    android:id="@+id/compassView"  
    android:layout_width="fill_parent"  
    android:layout_height="fill_parent"  
>
```

You can inflate the layout and get a reference to the CompassView as normal, using the following code:

```
@Override  
public void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.main);  
    CompassView cv = (CompassView) this.findViewById(R.id.compassView);  
    cv.setBearing(45);  
}
```