

# Practical No 13

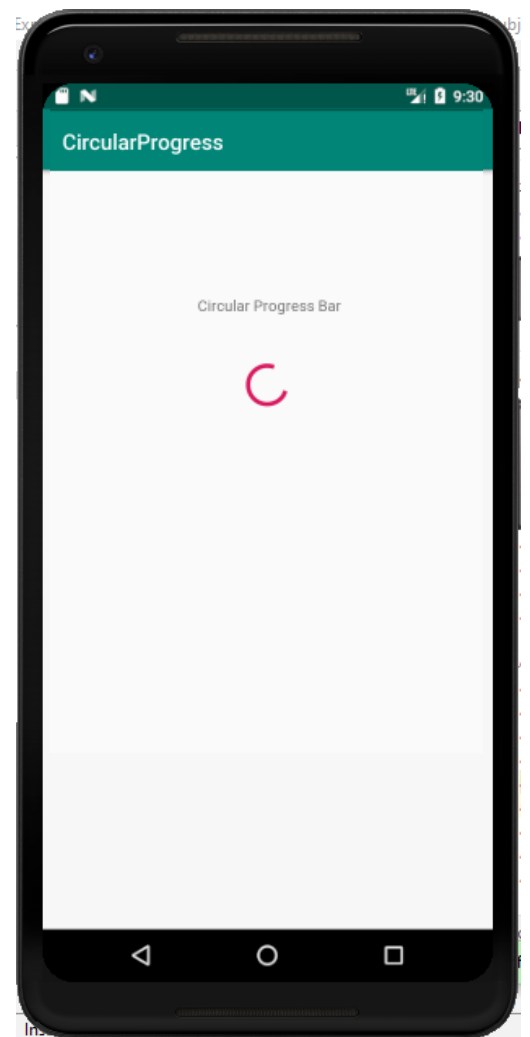
## Circular Progressbar

```
<?xml version="1.0" encoding="utf-8"?>
<AbsoluteLayout 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=".MainActivity">

    <ProgressBar
        android:id="@+id/progressBar2"
        style="?android:attr/progressBarStyle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_x="184dp"
        android:layout_y="176dp" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_x="179dp"
        android:layout_y="115dp"
        android:text="Circular Progress Bar" />

</AbsoluteLayout>
```



# Progressbar Dialog

## Activity.xml

```
<?xml version="1.0" encoding="utf-8"?>
<AbsoluteLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_x="147dp"
        android:layout_y="319dp"
        android:text="Download File" />
</AbsoluteLayout>
```

## MainActivity.java

```
import android.app.ProgressDialog;
import android.os.Handler;
import android.widget.Button;
public class MainActivity extends AppCompatActivity {
    int progress = 0;
    Handler progressHandler = new Handler();
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Button btn = (Button)findViewById(R.id.button);
        btn.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                ProgressDialog bar = new ProgressDialog(v.getContext());
                bar.setMessage("File Downloading...");
                bar.setProgressStyle(ProgressDialog.STYLE_HORIZONTAL);
                bar.setProgress(0);
                bar.setMax(100);
                bar.show();
                new Thread(new Runnable() {
                    public void run() {
                        while (progress < 100){
                            progress++;
                            try{
                                Thread.sleep(500);
                            }catch (Exception e){e.printStackTrace();}

                            progressHandler.post(new Runnable() {
                                public void run() {
                                    bar.setProgress(progress);
                                }
                            });
                        }
                        bar.dismiss();
                    }
                }).start();
            }
        });
    }
}
```