2.15 Loading Spinner

MainActivity.java

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| package com.example.loadingspinner;  import android.os.Bundle;  import com.google.android.material.floatingactionbutton.FloatingActionButton; import com.google.android.material.snackbar.Snackbar;  import androidx.appcompat.app.AppCompatActivity; import androidx.appcompat.widget.Toolbar;  import android.view.View; import android.view.Menu; import android.view.MenuItem; import android.widget.Button; import android.widget.ProgressBar;  public class MainActivity extends AppCompatActivity {   Button b1;  private ProgressBar spinner;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_main*);  Toolbar toolbar = findViewById(R.id.*imageView*);   b1=(Button) findViewById(R.id.*button*);  spinner=(ProgressBar) findViewById(R.id.*progressBar*);  spinner.setVisibility(View.*GONE*);   b1.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  spinner.setVisibility(View.*VISIBLE*);  }  });   } } |

Activity\_main.xml

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| <?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"  android:paddingLeft="@dimen/activity\_horizontal\_margin"  android:paddingRight="@dimen/activity\_horizontal\_margin"  android:paddingBottom="@dimen/activity\_vertical\_margin"  android:paddingTop="@dimen/activity\_vertical\_margin"  tools:context=".MainActivity">   <TextView  android:text="Progress Dialog"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:id="@+id/textview"  android:textSize="35dp"  android:layout\_alignParentTop="true"  android:layout\_centerHorizontal="true"/>   <Button  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Download"  android:id="@+id/button"  android:layout\_below="@+id/imageView"  android:layout\_centerHorizontal="true"/>   <ProgressBar  style="?android:attr/progressBarStyleLarge"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:id="@+id/progressBar"  android:progressDrawable="@drawable/ic\_launcher\_background"  android:layout\_below="@+id/button"  android:layout\_alignRight="@+id/textview"  android:layout\_alignEnd="@+id/textview"  android:layout\_alignLeft="@+id/textview"  android:layout\_alignStart="@+id/textview"  android:layout\_alignParentBottom="true"/>   </RelativeLayout> |

