AppName: aynctask

Java……

package com.example.asynchtask;  
*//Full playlist  
//https://www.youtube.com/playlist?list=PLdHg5T0SNpN2cv8zhK-zQx2qXfJKap9kU  
//https://www.youtube.com/watch?v=iJa5Uhvgbio*import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.AsyncTask;  
import android.os.Bundle;  
import android.text.PrecomputedText;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.ProgressBar;  
import android.widget.Switch;  
import android.widget.TextView;  
  
import org.w3c.dom.Text;  
  
import javax.xml.transform.Result;  
  
public class MainActivity extends AppCompatActivity {  
 Button btnupload;  
 ProgressBar progressbar, progressindicator;  
 Switch switch1;  
 TextView txtUpload;  
 private static final String TAG="Upload";  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
 btnupload=findViewById(R.id.btnUpload);  
 progressbar=findViewById(R.id.progressBar);  
 progressindicator=findViewById(R.id.progressBar2);  
 switch1=findViewById(R.id.switch1);  
 txtUpload=findViewById(R.id.textView);  
 txtUpload.setText(" ");  
 progressindicator.setVisibility(View.INVISIBLE);  
  
  
  
 }  
  
 public void uploadtask(View view) {  
 Log.i(TAG, "Upload Task thread: " + Thread.currentThread().getName());  
  
 */\*for (int i=0;i<10;i++) {  
 try {  
 Thread.sleep(500);  
 } catch (InterruptedException e) {  
 e.printStackTrace();  
 }  
 }\*/  
 // uploadTask uploadtask = new uploadTask();  
 //uploadtask.execute();  
  
 //String Passed* new uploadTask().execute("Asynch Adapters are taught...");  
 }  
 */\*class uploadTask extends AsyncTask<Void, Void, Void> {  
  
 @Override  
 protected Void doInBackground(Void... voids) {  
 Log.i(TAG, "Upload Task thread: " + Thread.currentThread().getName());  
  
 for (int i=0;i<10;i++) {  
 try {  
 Thread.sleep(500);  
 } catch (InterruptedException e) {  
 e.printStackTrace();  
 }  
 }  
 return null;  
 }\*/  
  
 //Parameters, Progress, Results...*

*<?*xml version="1.0" encoding="utf-8"*?>*<androidx.constraintlayout.widget.ConstraintLayout 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/progressBar"  
 style="?android:attr/progressBarStyleHorizontal"  
 android:layout\_width="300dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="32dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 android:min="0"  
 android:max="10"/>  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="32dp"  
 android:text="TextView"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/progressBar" />  
  
 <ProgressBar  
 android:id="@+id/progressBar2"  
 style="?android:attr/progressBarStyle"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="32dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView" />  
  
 <Button  
 android:id="@+id/btnUpload"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="32dp"  
 android:onClick="uploadtask"  
 android:text="Upload"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/progressBar2" />  
  
 <Switch  
 android:id="@+id/switch1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="32dp"  
 android:text="Switch"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/btnUpload" />  
</androidx.constraintlayout.widget.ConstraintLayout>

class uploadTask extends AsyncTask<String, Integer, String> {  
  
 *//Both runs in main thread* @Override  
 protected void onPreExecute() {  
 super.onPreExecute();  
  
 txtUpload.setText("Uploading............");  
 progressindicator.setVisibility(View.VISIBLE);  
 btnupload.setEnabled(false);  
 Log.i(TAG, "On PreExecute: " + Thread.currentThread().getName());  
 }  
  
 @Override  
 protected void onPostExecute(String string) {  
  
 txtUpload.setText(string);  
 progressindicator.setVisibility(View.INVISIBLE);  
 btnupload.setEnabled(true);  
 Log.i(TAG, "onPostExecute: " + Thread.currentThread().getName());  
 }  
  
 @Override  
 protected String doInBackground(String... strings) {  
 Log.i(TAG, "String Passed: " + strings[0]);  
 Log.i(TAG, "Upload Task thread: " + Thread.currentThread().getName());  
  
 for (int i=0;i<10;i++) {  
 try {  
 Thread.sleep(1000);  
 } catch (InterruptedException e) {  
 e.printStackTrace();  
 }  
 publishProgress(i);  
 }  
  
 return "Finally the task is complete";  
 }  
  
 @Override  
 protected void onProgressUpdate(Integer... values) {  
 progressbar.setProgress(values[0] + 1);  
 Log.i(TAG, "onProgressUpdate: " + Thread.currentThread().getName());  
 }  
 }  
 }