package com.example.asynctask;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.text.TextUtils;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
import android.widget.Toast;  
import android.os.AsyncTask;  
  
public class MainActivity extends AppCompatActivity {  
TextView tv;  
Button start,stop;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 start=(Button)findViewById(R.id.*btn\_start*);  
 stop=(Button)findViewById(R.id.*btn\_stop*);  
 tv=(TextView)findViewById(R.id.*text\_aync*);  
 LongRunningTask longRunningTask=new LongRunningTask();  
 start.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 longRunningTask.doInBackground();  
 longRunningTask.onProgressUpdate();  
 }  
 });  
 stop.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 tv.setSelected(false);  
 longRunningTask.onPostExecute("AsyncTask Completed");  
 }  
 });  
 }  
 private class LongRunningTask extends AsyncTask<String, String, String> {  
 @Override  
 protected void onPreExecute() {  
 super.onPreExecute();  
 }  
  
 @Override  
 protected void onProgressUpdate(String... values) {  
 super.onProgressUpdate(values);  
 Toast.*makeText*(getApplicationContext(), "Banner is moving", Toast.*LENGTH\_LONG*).show();  
 }  
  
 @Override  
 protected String doInBackground(String... strings) {  
 tv.setEllipsize(TextUtils.TruncateAt.*MARQUEE*);  
 tv.setSelected(true);  
 tv.setVisibility(View.*VISIBLE*);  
 return null;  
 }  
  
 @Override  
 protected void onPostExecute(String s) {  
 super.onPostExecute(s);  
 tv.setVisibility(View.*INVISIBLE*);  
 Toast.*makeText*(getApplicationContext(), s, Toast.*LENGTH\_LONG*).show();  
 }  
 }  
  
}