**Text to Speech**

**package** com.example.labprogram8;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
  
**import** android.os.Bundle;  
**import** android.speech.tts.TextToSpeech;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
  
**public class** MainActivity **extends** AppCompatActivity  
{  
  
 EditText **textData**;  
 TextToSpeech **tts**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState)  
 {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 }  
 **public void** voice(View view)  
 {  
 **textData** = (EditText) findViewById(R.id.***text***);  
 **tts** = **new** TextToSpeech(getApplicationContext(), **new** TextToSpeech.OnInitListener()  
 {  
 @Override  
 **public void** onInit(**int** i)  
 {  
 **if** (i == TextToSpeech.***SUCCESS***)  
 {  
 **tts**.speak(**textData**.getText().toString(), TextToSpeech.***QUEUE\_ADD***, **null**, **null**);  
 }  
 }  
  
 });  
 }  
}

*<?***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"**>  
  
 <**EditText  
 android:id="@+id/text"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="100dp"  
 android:ems="10"  
 android:hint="Enter your Text"  
 android:minHeight="48dp"  
 tools:ignore="MissingConstraints"** />  
  
 <**Button  
 android:onClick="voice"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="20dp"  
 android:text="Click Here"  
 android:backgroundTint="#FFBE1A"  
 app:layout\_constraintTop\_toBottomOf="@id/text"  
 tools:ignore="MissingConstraints"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>