10.

Xml code:

*<?*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"  
 tools:context=".MainActivity">  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="335dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="21dp"  
 android:layout\_marginBottom="486dp"  
 android:text="Text2Speech"  
 android:textSize="30sp" />  
 <EditText  
 android:id="@+id/editText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="142dp"  
 android:layout\_marginBottom="377dp"  
 android:ems="10"  
 android:hint="Enter text here"  
 android:inputType="textPersonName" />  
 <Button  
 android:id="@+id/convert"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginEnd="196dp"  
 android:layout\_marginBottom="236dp"  
 android:onClick="convert"  
 android:background="#6CEC71"  
 android:text="CONVERT" />  
</RelativeLayout>

Java code:

package com.example.program7;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.speech.tts.TextToSpeech;  
import android.view.View;  
import android.widget.EditText;  
import java.util.Locale;  
public class MainActivity extends AppCompatActivity {  
 EditText e1;  
 TextToSpeech t1;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 e1=findViewById(R.id.*editText*);  
 t1=new TextToSpeech(getApplicationContext(), new TextToSpeech.OnInitListener()  
 {  
 @Override  
 public void onInit(int status) {  
 if(status!=TextToSpeech.*ERROR*){  
 t1.setLanguage(Locale.*UK*);  
 }  
 }  
 });  
 }  
 public void convert(View V){  
 String tospeak=e1.getText().toString();  
 t1.speak(tospeak,TextToSpeech.*QUEUE\_FLUSH*,null);  
 }  
}