Lab Program: 7 Convert Text to Speech

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XML Code:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
xmlns:android="http://schemas.android.com/apk/res/andro
id"
   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">
       android:id="@+id/input"
       android:layout width="364dp"
       android:layout height="43dp"
       android:ems="10"
       android:hint="@string/enter text"
       android:inputType="textPersonName"
       app:layout constraintBottom toBottomOf="parent"
       app:layout constraintEnd toEndOf="parent"
       app:layout constraintHorizontal bias="0.489"
       app:layout constraintStart toStartOf="parent"
       app:layout constraintTop toTopOf="parent"
       app:layout constraintVertical bias="0.116"
       android:autofillHints="" />
```

Java Code:

```
package com.example.speech;
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 {
    TextToSpeech tts;
    EditText text;
```

```
@Override
  protected void onCreate(Bundle savedInstanceState) {
       super.onCreate(savedInstanceState);
       setContentView(R.layout.activity main);
       text=findViewById(R.id.input);
       tts= new TextToSpeech(getApplicationContext(),
new
               TextToSpeech.OnInitListener() {
                   @Override
                   public void onInit(int status) {
                       if (status!=TextToSpeech.ERROR)
                           tts.setLanguage(Locale.UK);
               });
  public void convert(View view) {
       String tospeak = text.getText().toString();
tts.speak(tospeak,TextToSpeech.QUEUE FLUSH,null);
```

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```
tts.setLanguage(Locale.UK);
}

public void convert(View view) {
   String tospeak = text.getText().toString();

tts.speak(tospeak, TextToSpeech.QUEUE_FLUSH, null);
}
```

Speech

mad lab is the best

SPEAK