LAB 7

```
<?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:layout width="398dp"
        android:layout height="64dp"
        android:layout alignParentStart="true"
        android:layout alignParentTop="true"
        android:layout alignParentEnd="true"
        android:layout marginStart="22dp"
        android:layout marginTop="69dp"
        android:layout marginEnd="-9dp"
        android:text="Text To Speech Application"
        android:textAlignment="center"
        android:textColor="@color/black"
        android:textSize="30sp"
        android:textStyle="bold"
        app:layout constraintBottom toBottomOf="parent"
        app:layout constraintLeft toLeftOf="parent"
        app:layout constraintRight toRightOf="parent"
        app:layout constraintTop toTopOf="parent" />
    <EditText
        android:id="@+id/editText"
        android:layout width="367dp"
        android:layout height="75dp"
        android:layout alignParentTop="true"
        android:layout centerHorizontal="true"
        android:layout marginTop="239dp"
        android:ems="10"
        android:hint="Type in the text here"
        android:inputType="textPersonName"
        android:textSize="20sp" />
    <Button
        android:id="@+id/btn"
        android:layout width="341dp"
        android:layout height="57dp"
        android:layout alignParentTop="true"
        android:layout alignParentEnd="true"
```

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android:layout marginTop="439dp"
        android:layout marginEnd="36dp"
        android:text="Convert Text to Speech"
        android:textSize="20sp" />
</RelativeLavout>
package com.example.17;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.speech.tts.TextToSpeech;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import java.util.Locale;
public class MainActivity extends AppCompatActivity implements
View.OnClickListener {
    EditText edt:
    Button button; //Creates Objects of type text and button
    TextToSpeech tts; //Create an object of TextToSpeech Class
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        button=(Button) findViewById(R.id.btn); //Bind them here
        button.setOnClickListener(this); //This prompts you to
implement the method
        edt = (EditText) findViewById(R.id.editText);
        tts = new TextToSpeech(getApplicationContext(), new
TextToSpeech.OnInitListener() {
            @Override
            public void onInit(int i) {
                //check the status, ie I
                if(i!=tts.ERROR){
                    tts.setLanguage(Locale. ENGLISH); //Sets the
Language to English, explain what "Locale" is
```

android:layout centerHorizontal="true"

```
}
});

@Override
public void onClick(View view) {
    //now call the Speak Method
    tts.speak(edt.getText().toString(),
tts.QUEUE_FLUSH,null);
}
```