TALKWORD APP Development

JAVA FILE:

import android.content.ActivityNotFoundException;  
import android.content.Intent;  
import android.os.Bundle;  
import android.speech.RecognizerIntent;  
import android.view.View;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.annotation.Nullable;  
import androidx.appcompat.app.AppCompatActivity;  
  
import java.util.ArrayList;  
import java.util.Locale;  
  
public class MainActivity extends AppCompatActivity {  
 TextView outputText;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 outputText = (TextView) findViewById(R.id.*txt\_output*);  
 }  
 public void btnSpeech(View view){  
 Intent intent = new Intent(RecognizerIntent.*ACTION\_RECOGNIZE\_SPEECH*);  
 intent.putExtra(RecognizerIntent.*EXTRA\_LANGUAGE\_MODEL*,  
 RecognizerIntent.*LANGUAGE\_MODEL\_FREE\_FORM*);  
 intent.putExtra(RecognizerIntent.*EXTRA\_LANGUAGE*, Locale.*getDefault*());  
 intent.putExtra(RecognizerIntent.*EXTRA\_PROMPT*, "Hi speak something...");  
 try {  
 startActivityForResult(intent, 1);  
 }catch(ActivityNotFoundException e){  
 Toast.*makeText*(this, e.getMessage(), Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
  
  
 @Override  
 protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {  
 super.onActivityResult(requestCode, resultCode, data);  
  
 switch (requestCode){  
  
  
 case 1:  
 if(resultCode == *RESULT\_OK* && null != data){  
 ArrayList<String> result =  
 data.getStringArrayListExtra(RecognizerIntent.*EXTRA\_RESULTS*);  
 outputText.setText(result.get(0));  
 }  
 break;  
  
 }  
 }  
}

XML File:

<?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"  
 android:background="@drawable/bac"  
   
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/txt\_output"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginTop="7dp"  
 android:textIsSelectable="true"  
 android:padding="20dp"  
 android:editable="true"  
 android:textAlignment="center"  
 android:textColor="#202222"  
 android:textSize="16sp" />  
  
 <Button  
 android:layout\_width="230dp"  
 android:focusableInTouchMode="true"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginStart="95dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginEnd="76dp"  
 android:layout\_marginBottom="18dp"  
 android:background="@drawable/my\_button\_bg"  
 android:onClick="btnSpeech"  
 android:text="Speak"  
 android:typeface="serif"  
 android:textColor="#F00"  
 android:textSize="18sp" />  
  
</RelativeLayout>

FOR Button Background:

Make a drawable resource file in drawable folder and name it **my\_button\_bg**

Code:

<?xml version="1.0" encoding="utf-8"?>  
<shape xmlns:android="http://schemas.android.com/apk/res/android"  
 android:shape="rectangle">  
 <gradient android:startColor="#FFEC00"  
 android:endColor="#00FF00"  
 android:angle="270" />  
 <corners android:radius="3dp" />  
 <stroke android:width="5px" />  
</shape>

Take Background image as:



FOR Icon:

