## ANDROID MANIFEST

## **ACTIVITY MAIN**

```
package com.example.ex14
import android.Manifest
import android.content.pm.PackageManager
import android.speech.RecognitionListener
import android.speech.RecognizerIntent
import android.speech.SpeechRecognizer
import androidx.appcompat.app.AppCompatActivity
import android.widget.TextView
import androidx.core.app.ActivityCompat
import androidx.core.content.ContextCompat
class MainActivity : AppCompatActivity() {
   private lateinit var micButton: ImageButton
private lateinit var textView: TextView
private lateinit var speechRecognizer: SpeechRecognizer
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity main)
        micButton = findViewById(R.id.micButton)
        textView = findViewById(R.id.textView)
        if (ContextCompat.checkSelfPermission(this,
Manifest.permission.RECORD AUDIO)
             != PackageManager.PERMISSION GRANTED) {
            ActivityCompat.requestPermissions(
                 arrayOf(Manifest.permission.RECORD AUDIO),
            startListening()
        speechRecognizer = SpeechRecognizer.createSpeechRecognizer(this)
        speechRecognizer.setRecognitionListener(object : RecognitionListener {
            override fun onRmsChanged(rmsdB: Float) {}
            override fun onBufferReceived(buffer: ByteArray?) {}
            override fun onError(error: Int) {
            override fun onResults(results: Bundle?) {
results?.getStringArrayList(SpeechRecognizer.RESULTS RECOGNITION)
            override fun onEvent(eventType: Int, params: Bundle?) {}
```