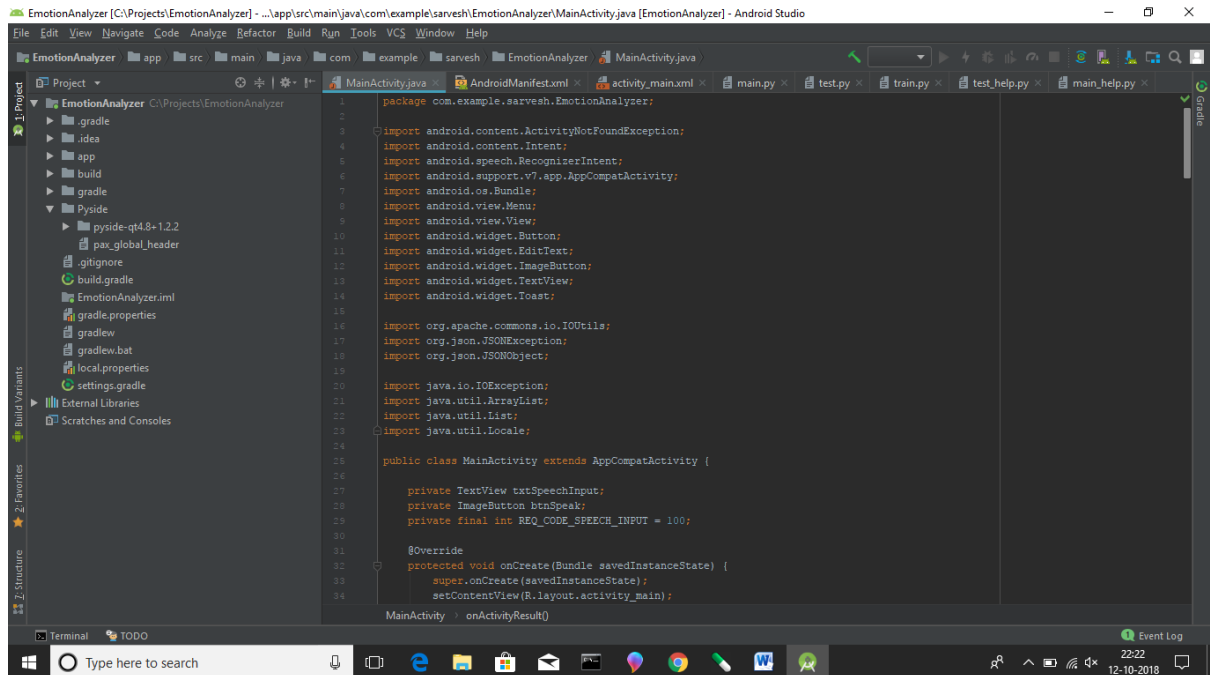


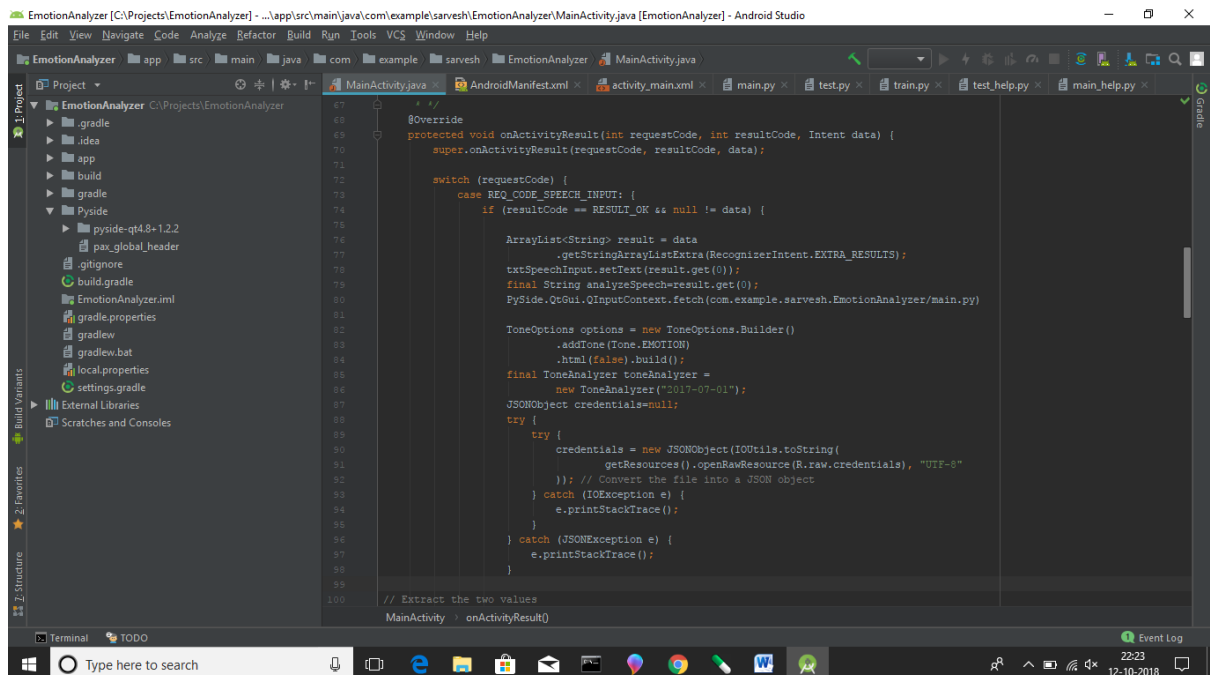
# Mini Project

## Emotion Analyzer using Voice Recognition

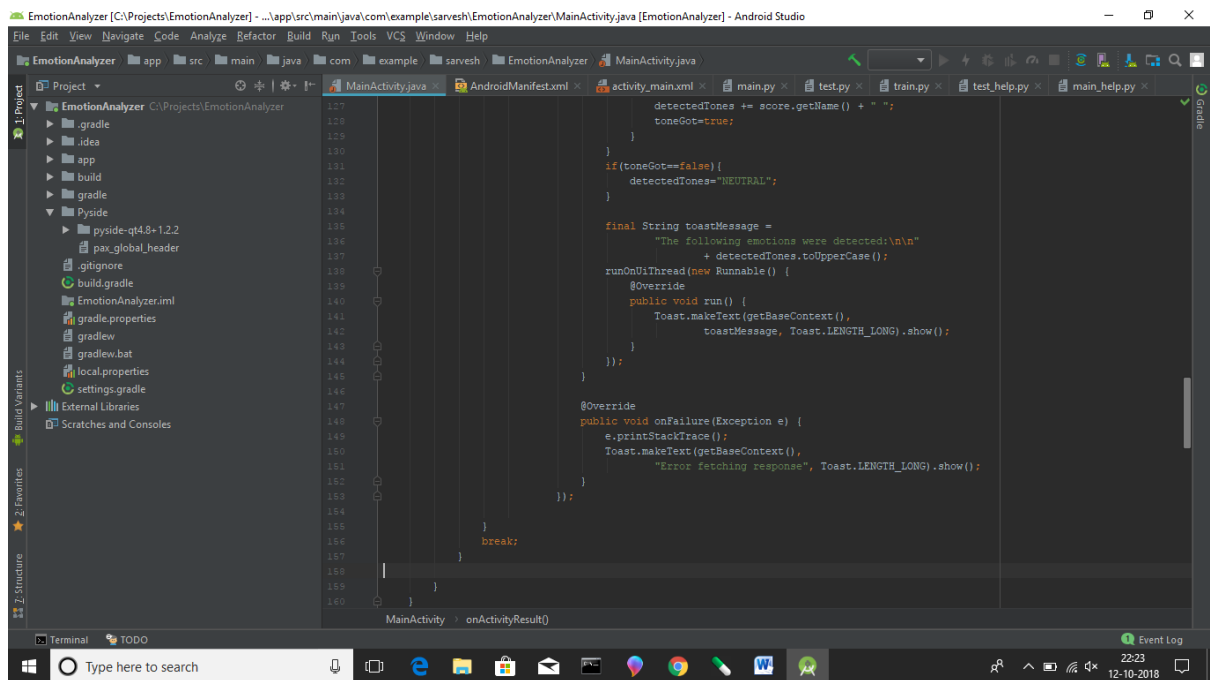
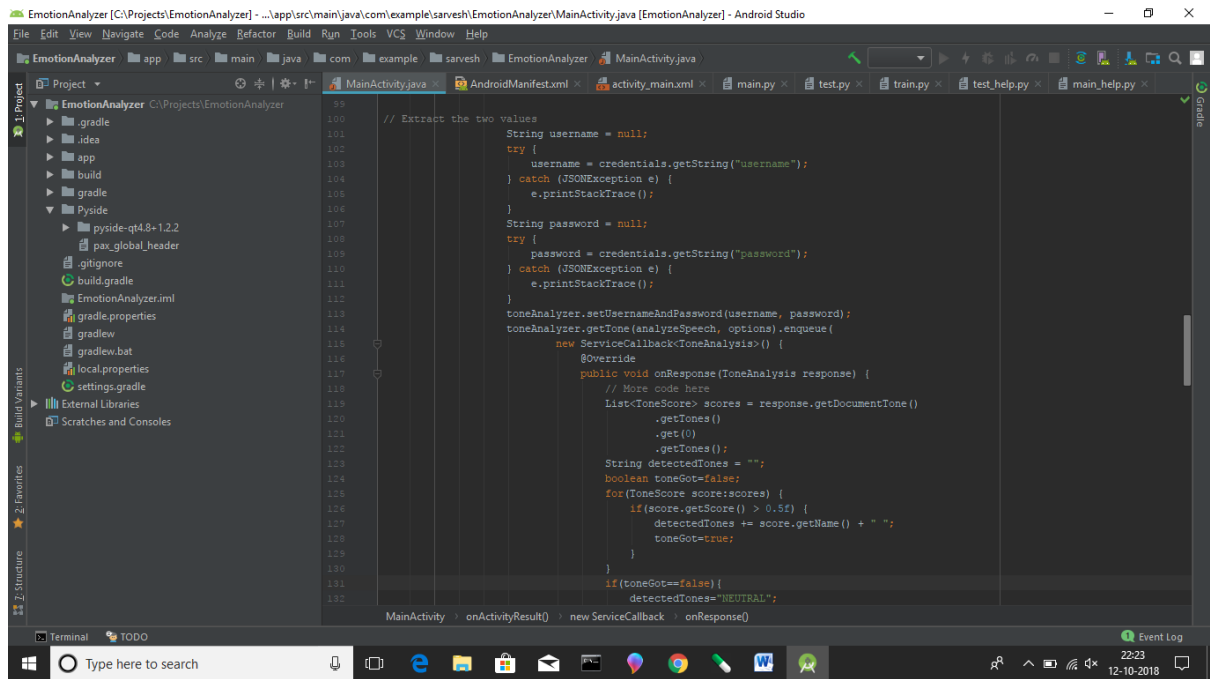
Code :

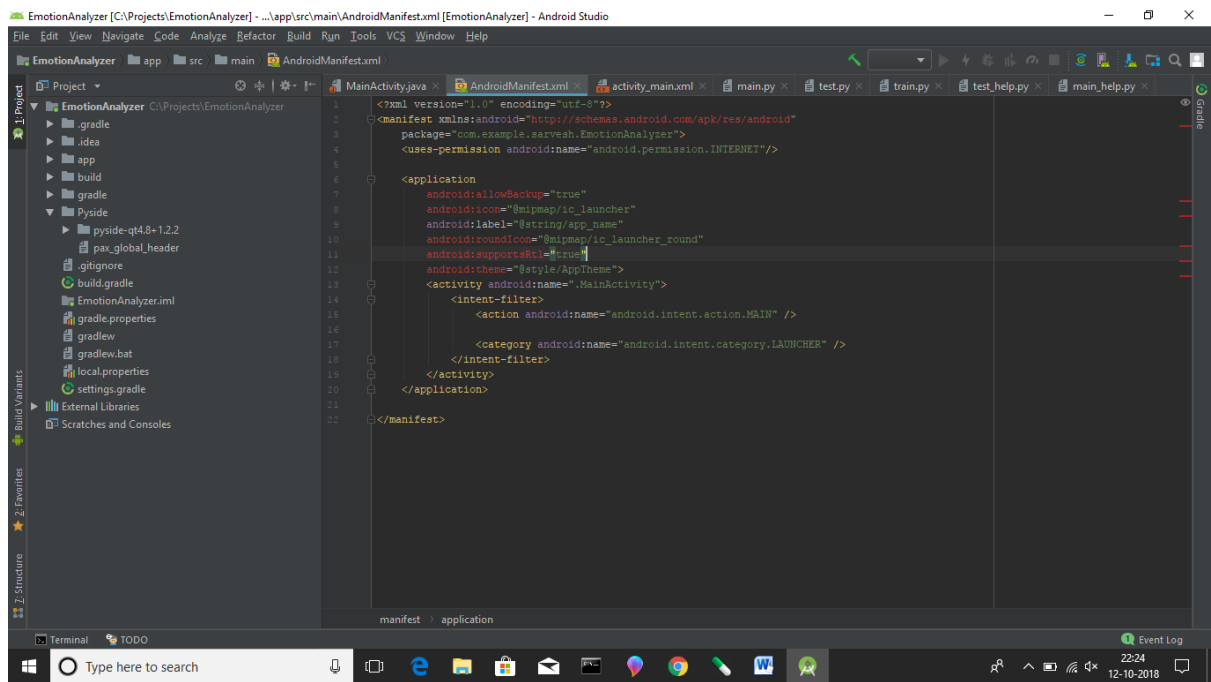
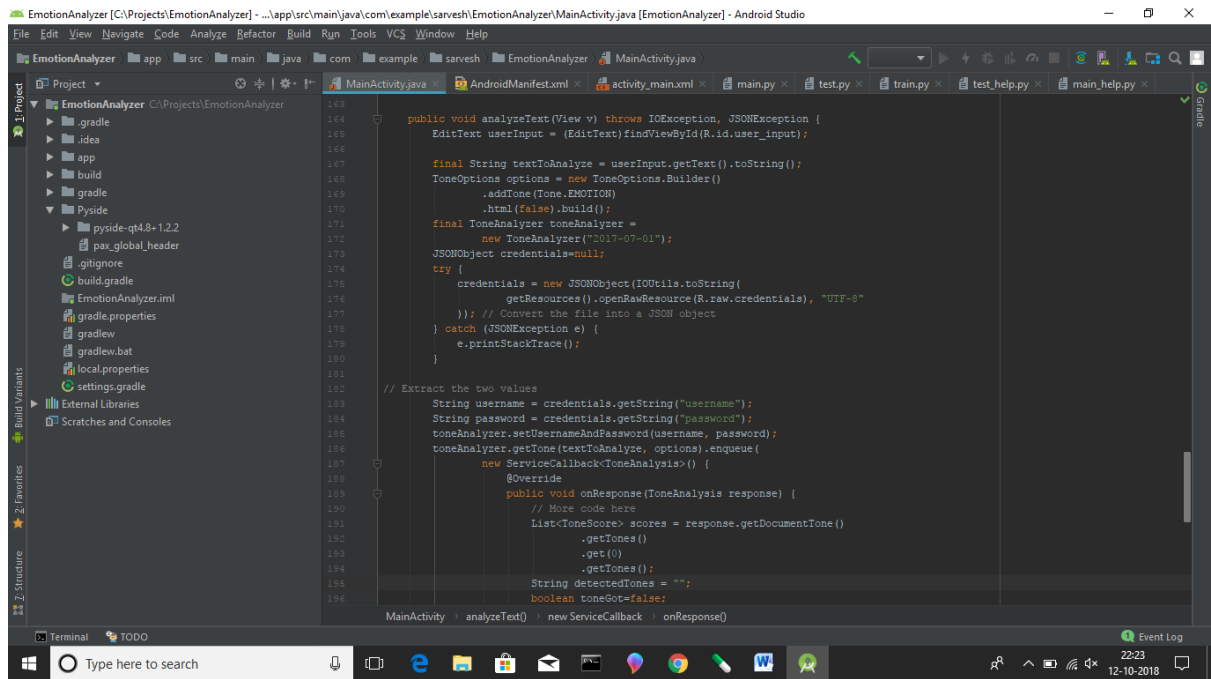


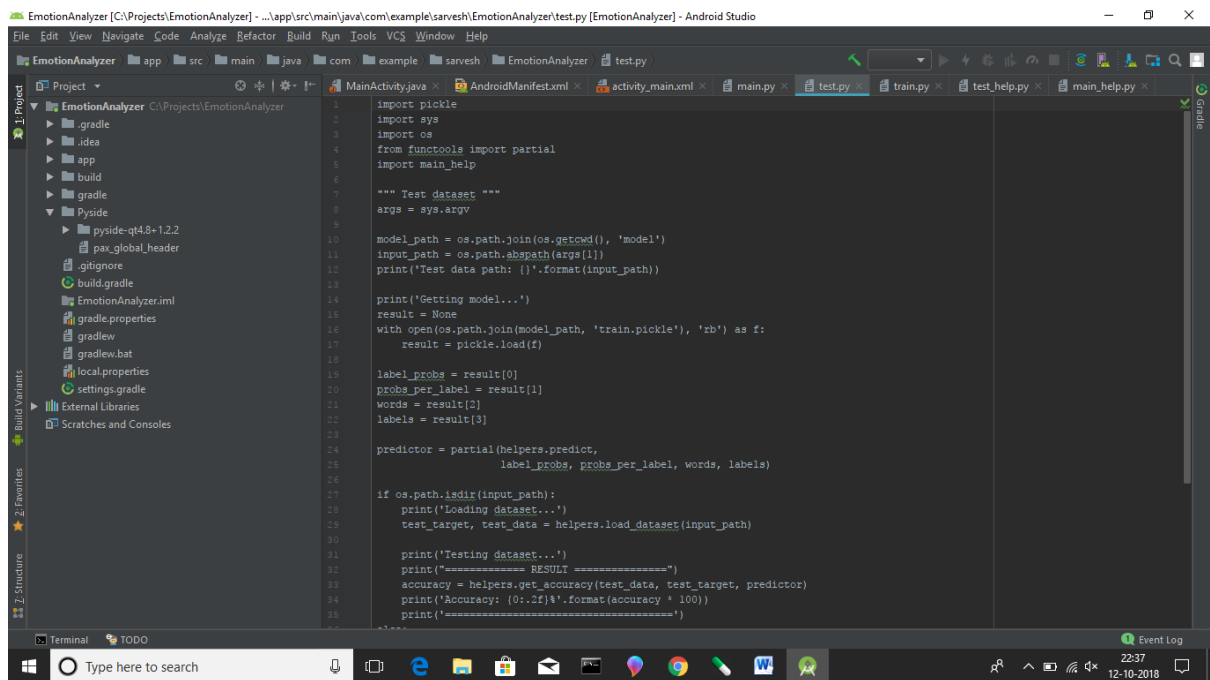
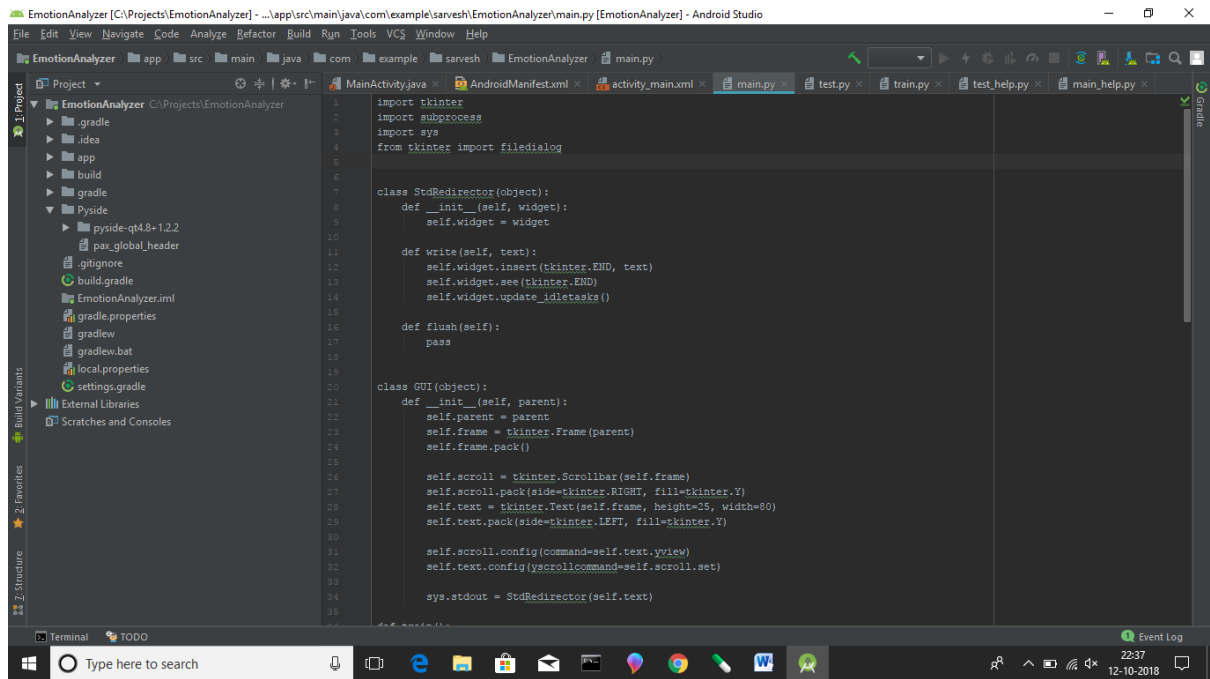
```
EmotionAnalyzer [C:\Projects\EmotionAnalyzer] - ...app\src\main\java\com\example\sarvesh\EmotionAnalyzer\MainActivity.java [EmotionAnalyzer] - Android Studio
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
Project EmotionAnalyzer C:\Projects\EmotionAnalyzer
  .gradle
  .idea
  app
  build
  gradle
  Pyside
  pyside-qt4.8-1.2.2
  pax_global_header
  .gitignore
  build.gradle
  EmotionAnalyzer.iml
  gradle.properties
  gradlew
  gradlew.bat
  local.properties
  settings.gradle
  External Libraries
  Scratches and Consoles
  Build Variants
  2 Favorites
  Z Structure
  MainActivity.java
  AndroidManifest.xml
  activity_main.xml
  main.py
  test.py
  train.py
  test_help.py
  main_help.py
  1 package com.example.sarvesh.EmotionAnalyzer;
  2
  3 import android.content.ActivityNotFoundException;
  4 import android.content.Intent;
  5 import android.speech.RecogniserIntent;
  6 import android.support.v7.app.AppCompatActivity;
  7 import android.os.Bundle;
  8 import android.view.Menu;
  9 import android.view.View;
  10 import android.widget.Button;
  11 import android.widget.EditText;
  12 import android.widget.ImageButton;
  13 import android.widget.TextView;
  14 import android.widget.Toast;
  15
  16 import org.apache.commons.io.IOUtils;
  17 import org.json.JSONException;
  18 import org.json.JSONObject;
  19
  20 import java.io.IOException;
  21 import java.util.ArrayList;
  22 import java.util.List;
  23 import java.util.Locale;
  24
  25 public class MainActivity extends AppCompatActivity {
  26
  27     private TextView txtSpeechInput;
  28     private ImageButton btnSpeak;
  29     private final int REQ_CODE_SPEECH_INPUT = 100;
  30
  31     @Override
  32     protected void onCreate(Bundle savedInstanceState) {
  33         super.onCreate(savedInstanceState);
  34         setContentView(R.layout.activity_main);
  35
  36         MainActivity -> onActivityResult()
```



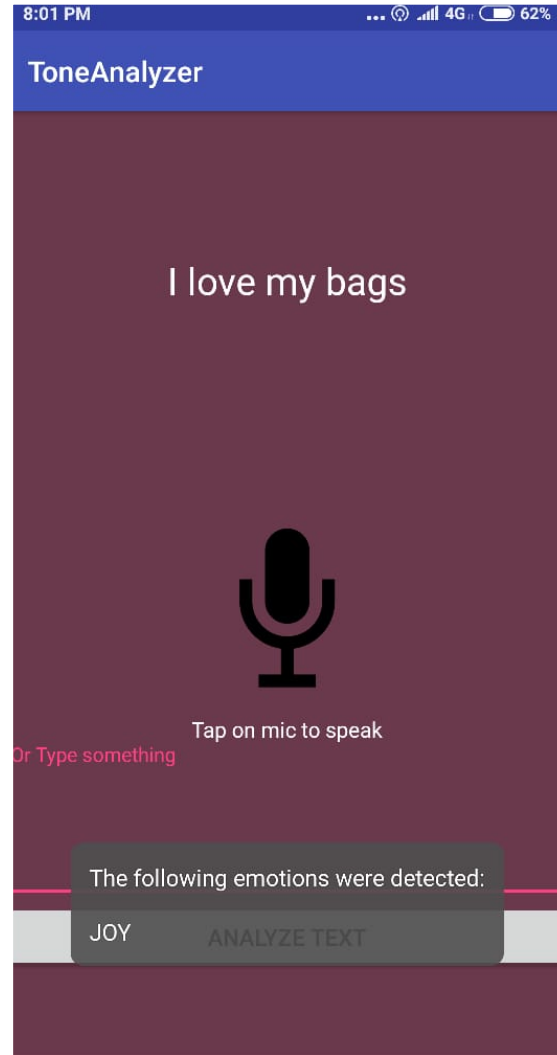
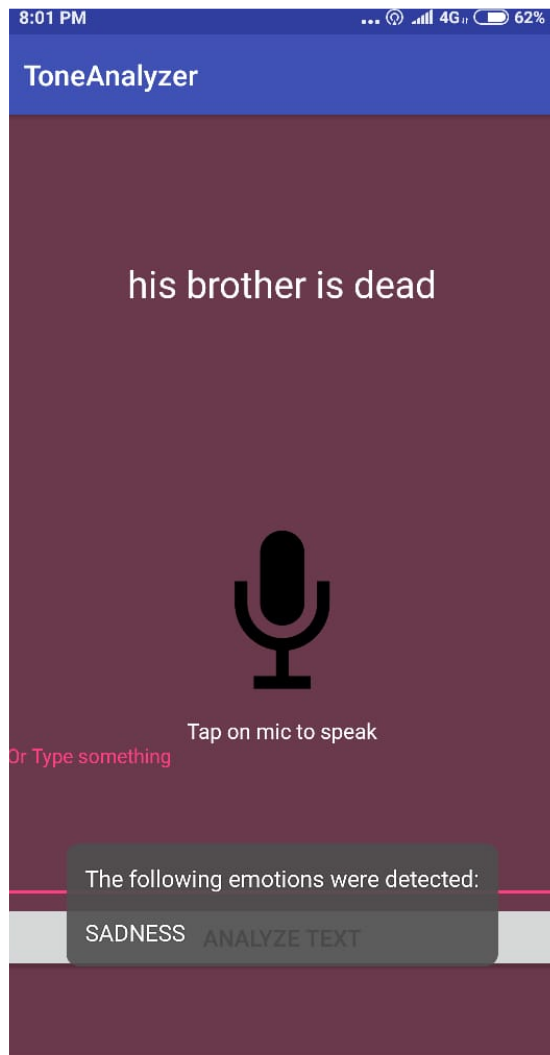
```
EmotionAnalyzer [C:\Projects\EmotionAnalyzer] - ...app\src\main\java\com\example\sarvesh\EmotionAnalyzer\MainActivity.java [EmotionAnalyzer] - Android Studio
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
Project EmotionAnalyzer C:\Projects\EmotionAnalyzer
  .gradle
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  2 Favorites
  Z Structure
  MainActivity.java
  AndroidManifest.xml
  activity_main.xml
  main.py
  test.py
  train.py
  test_help.py
  main_help.py
  67 //
  68 @Override
  69 protected void onActivityResult(int requestCode, int resultCode, Intent data) {
  70     super.onActivityResult(requestCode, resultCode, data);
  71
  72     switch (requestCode) {
  73         case REQ_CODE_SPEECH_INPUT: {
  74             if (resultCode == RESULT_OK && null != data) {
  75
  76                 ArrayList<String> result = data
  77                     .getStringArrayListExtra(RecogniserIntent.EXTRA_RESULTS);
  78                 txtSpeechInput.setText(result.get(0));
  79                 final String analyzeSpeech=result.get(0);
  80                 PySide.QtGui.QInputContext.fetch(com.example.sarvesh.EmotionAnalyzer/main.py)
  81
  82                 ToneOptions options = new ToneOptions.Builder()
  83                     .addTone(Tone.EMOTION)
  84                     .html(false).build();
  85                 final ToneAnalyzer toneAnalyzer =
  86                     new ToneAnalyzer("2019-07-01");
  87                 JSONObject credentials=null;
  88                 try {
  89                     try {
  90                         credentials = new JSONObject(IOUtils.toString(
  91                             getResources().openRawResource(R.raw.credentials), "UTF-8"
  92                         )); // Convert the file into a JSON object
  93                     } catch (IOException e) {
  94                         e.printStackTrace();
  95                     }
  96                 } catch (JSONException e) {
  97                     e.printStackTrace();
  98                 }
  99
  100                 // Extract the two values
  101                 MainActivity -> onActivityResult()
```

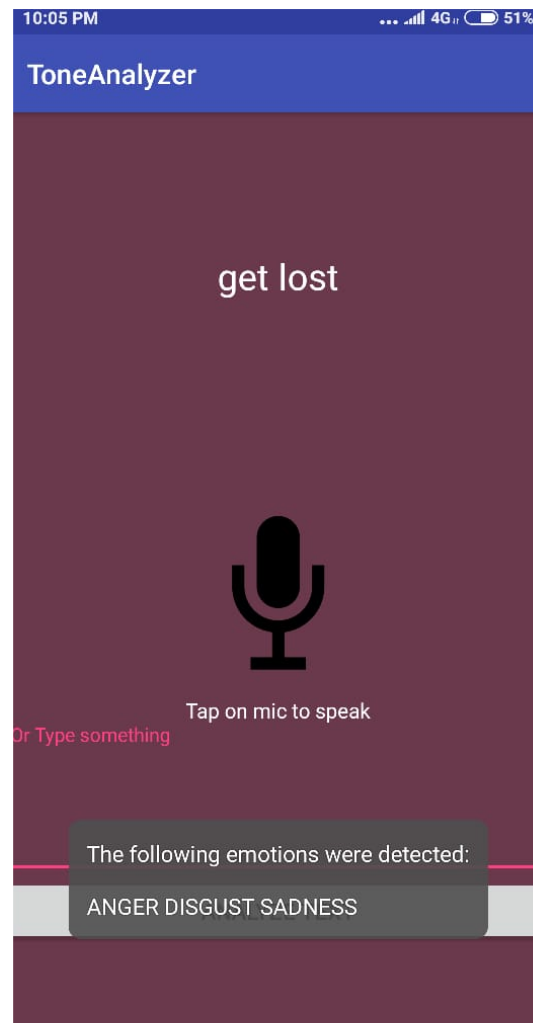
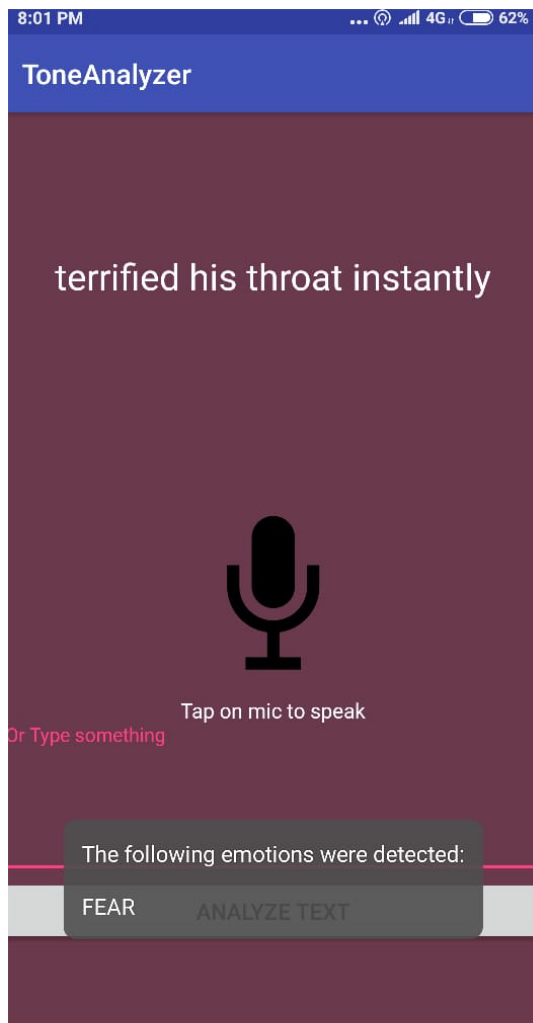






## Screenshots :





10:06 PM

... 4G 51%

## ToneAnalyzer

this is today's climate report



Tap on mic to speak

Or Type something

The following emotions were detected:

NEUTRAL ANALYZE TEXT

