Java

package com.example.lab9;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import androidx.appcompat.app.AppCompatActivity;  
import java.io.BufferedReader;  
import java.io.FileOutputStream;  
import java.io.FileReader;  
import java.io.IOException;  
  
public class MainActivity extends AppCompatActivity {  
  
 private EditText editTextInput;  
 private TextView textContent;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 editTextInput = findViewById(R.id.*edit\_text\_input*);  
 textContent = findViewById(R.id.*text\_content*);  
  
 Button buttonWrite = findViewById(R.id.*button\_write*);  
 buttonWrite.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String inputText = editTextInput.getText().toString();  
 if (!inputText.isEmpty()) {  
 writeFile("example.txt", inputText);  
 editTextInput.setText("");  
 displayFileContent("example.txt");  
 }  
 }  
 });  
  
 // Display initial content of the file  
 displayFileContent("example.txt");  
 }  
  
 private void writeFile(String filename, String data) {  
 try {  
 FileOutputStream fos = openFileOutput(filename, *MODE\_PRIVATE*);  
 fos.write(data.getBytes());  
 fos.close();  
 } catch (IOException e) {  
 e.printStackTrace();  
 }  
 }  
  
 private void displayFileContent(String filename) {  
 StringBuilder content = new StringBuilder();  
 try {  
 BufferedReader br = new BufferedReader(new FileReader(getFilesDir() + "/" + filename));  
 String line;  
 while ((line = br.readLine()) != null) {  
 content.append(line);  
 }  
 br.close();  
 } catch (IOException e) {  
 e.printStackTrace();  
 }  
 textContent.setText(content.toString());  
 }  
}

xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:padding="16dp"  
 tools:context=".MainActivity">  
  
 <EditText  
 android:id="@+id/edit\_text\_input"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter text to write to file"/>  
  
 <Button  
 android:id="@+id/button\_write"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/edit\_text\_input"  
 android:layout\_marginTop="8dp"  
 android:text="Write to File"/>  
  
 <TextView  
 android:id="@+id/text\_content"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/button\_write"  
 android:layout\_marginTop="16dp"  
 android:textSize="18sp"  
 android:text="File Content will be displayed here" />  
  
</RelativeLayout>