

```
<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout 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:orientation="vertical"
    tools:context=".MainActivity" >

    <EditText
        android:id="@+id/editText"
        android:layout_marginTop="10dp"
        android:layout_width="match_parent"
        android:layout_height="250dp"
        android:maxLines="5"
        android:lines="5"
        android:maxLength="80"
        android:gravity="start|top"
        android:inputType="textMultiLine" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="25sp"
        android:textAlign="textEnd"
        android:layout_marginRight="50dp"
        android:layout_marginTop="10dp"
        android:layout_marginBottom="30dp"
        android:text="0 / 80 바이트" />

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:orientation="horizontal">

        <Button
            android:id="@+id/button1"
            android:layout_width="wrap_content"
            android:layout_height="50dp"
            android:text="전송" />

        <Button
            android:id="@+id/button2"
            android:layout_width="wrap_content"
            android:layout_height="50dp"
            android:text="종류" />
    </LinearLayout>
</LinearLayout>
```



```
package com.ict.ex08_test;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.text.Editable;
import android.text.TextWatcher;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

import org.w3c.dom.Text;

public class MainActivity extends AppCompatActivity {
    EditText editText;
    TextView textView;
    Button button1, button2;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        editText = findViewById(R.id.editText);
        textView = findViewById(R.id.textView);
        button1 = findViewById(R.id.button1);
        button2 = findViewById(R.id.button2);

        /* editText 이벤트 */
        editText.addTextChangedListener(new TextWatcher() {
            /* 변경 전 */
            @Override
            public void beforeTextChanged(CharSequence charSequence, int i, int i1, int i2) {}
            @Override
            public void onTextChanged(CharSequence s, int start, int before, int count) {}
            /* s => 문자열 */
            /*
            byte[] b = s.toString().getBytes();
            int sCount = b.length;
            textView.setText(sCount + " / 80 바이트");
            */
            char[] b = s.toString().toCharArray();
            int sCount = b.length;
            textView.setText(sCount + " / 문자");
        });
        /* 변경 후 */
        @Override
        public void afterTextChanged(Editable editable) {}
    };
}
```

