Q10 Bluetooth

#MainActivity.java

import android.bluetooth.BluetoothAdapter;

import android.content.Context;

import android.content.Intent;

import android.os.Bundle;

import android.widget.CompoundButton;

import android.widget.ToggleButton;

import androidx.appcompat.app.AppCompatActivity;

public class BluetoothActivity extends AppCompatActivity {

    private BluetoothAdapter bluetoothAdapter;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_main);

        // Initialize BluetoothAdapter

        bluetoothAdapter = BluetoothAdapter.getDefaultAdapter();

        // Get ToggleButton from layout

        ToggleButton toggleButton = findViewById(R.id.switch1);

        // Set initial state based on Bluetooth status

        toggleButton.setChecked(bluetoothAdapter.isEnabled());

        // Set size of the ToggleButton (adjust as needed)

        toggleButton.setLayoutParams(new ToggleButton.LayoutParams(300, 150));

        // Set listener for the ToggleButton

        toggleButton.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener() {

            public void onCheckedChanged(CompoundButton buttonView, boolean isChecked) {

                // Toggle Bluetooth ON/OFF based on the button state

                if (isChecked) {

                    enableBluetooth();

                } else {

                    disableBluetooth();

                }

            }

        });

    }

    private void enableBluetooth() {

        // Request user to enable Bluetooth

        Intent enableBtIntent = new Intent(BluetoothAdapter.ACTION\_REQUEST\_ENABLE);

        startActivityForResult(enableBtIntent, 1);

    }

    private void disableBluetooth() {

        // Disable Bluetooth

        bluetoothAdapter.disable();

    }

}

#Activity\_Main.xml

<?xml version="1.0" encoding="utf-8"?>

    <LinearLayout 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:orientation="vertical"

        android:padding="16dp"

        tools:context=".MainActivity">

    <Switch

        android:id="@+id/switch1"

        android:layout\_width="373dp"

        android:layout\_height="174dp"

        android:text="Switch1" />

</LinearLayout>

#Android\_Manifest

<!-- AndroidManifest.xml -->

    <uses-permission android:name="android.permission.BLUETOOTH" />

    <uses-permission android:name="android.permission.BLUETOOTH\_ADMIN" />