Q5 Swtich

#MainActivity.java

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.widget.CompoundButton;

import android.widget.Switch;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    private Switch switchButton;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_main);

        switchButton = findViewById(R.id.switchButton);

        switchButton.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener() {

            @Override

            public void onCheckedChanged(CompoundButton buttonView, boolean isChecked) {

                // isChecked is true when the switch is ON, false when it's OFF

                if (isChecked) {

                    showToast("Switch is ON");

                } else {

                    showToast("Switch is OFF");

                }

            }

        });

    }

    private void showToast(String message) {

        Toast.makeText(this, message, Toast.LENGTH\_SHORT).show();

    }

}

#Activity\_Main.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"

    tools:context=".MainActivity">

    <Switch

        android:id="@+id/switchButton"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_centerHorizontal="true"

        android:layout\_centerVertical="true"

        android:text="Toggle Switch" />

</RelativeLayout>