**COURSE NAME**: MOBILE APPLICATIONS DEVELOPMENT

**COURSE CODE**: 20MCE11

**ROLL NO** : 21MCR100

**NAME :** SOWNDHARYA M

**TUTORIAL**: 3

**QUESTION**

Develop A Mini App To Demonstrate The Controls Which Is Used To Perform Two-State Operations

**XML COING**

<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"

tools:context=".MainActivity">

<Switch

android:id="@+id/simpleSwitch1"

android:layout\_width="wrap\_content"

android:layout\_height="37dp"

android:layout\_gravity="center"

android:checked="false"

android:text="Python"

android:textOff="Off"

android:textOn="On" />

<Switch

android:id="@+id/simpleSwitch2"

android:layout\_width="95dp"

android:layout\_height="47dp"

android:layout\_gravity="center"

android:layout\_marginTop="20dp"

android:checked="true"

android:text="Java"

android:textOff="Off"

android:textOn="On" />

<Button

android:id="@+id/submitButton"

android:layout\_width="123dp"

android:layout\_height="wrap\_content"

android:layout\_gravity="center"

android:layout\_marginTop="50dp"

android:background="#009284"

android:padding="10dp"

android:text="Result"

android:textColor="#fff"

android:textStyle="bold" />

</LinearLayout>

**ACTIVITY.MAIN**

package example.abhiandriod.switchexample;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.Switch;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

Switch simpleSwitch1, simpleSwitch2;

Button submit;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

// initiate view's

simpleSwitch1 = (Switch) findViewById(R.id.simpleSwitch1);

simpleSwitch2 = (Switch) findViewById(R.id.simpleSwitch2);

submit = (Button) findViewById(R.id.submitButton);

submit.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

String statusSwitch1, statusSwitch2;

if (simpleSwitch1.isChecked())

statusSwitch1 = simpleSwitch1.getTextOn().toString();

else

statusSwitch1 = simpleSwitch1.getTextOff().toString();

if (simpleSwitch2.isChecked())

statusSwitch2 = simpleSwitch2.getTextOn().toString();

else

statusSwitch2 = simpleSwitch2.getTextOff().toString();

Toast.makeText(getApplicationContext(), "Switch1 :" + statusSwitch1 + "\n" + "Switch2 :" + statusSwitch2, Toast.LENGTH\_LONG).show(); // display the current state for switch's

}

});

}

}

**OUTPUT:**

