

EXERCISE 8

CREATE SIMPLE APPLICATION USING TOGGLE BUTTON AND SWITCH

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ACTIVITY_MAIN.XML:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"
tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="127dp"
        android:text="Toggle button"
        android:textAllCaps="true"
        android:textColor="#B90ED6"
        android:textSize="16sp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ToggleButton
        android:id="@+id/toggleButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="19dp"
        android:layout_marginTop="68dp"
        android:text="ToggleButton"
        app:layout_constraintStart_toStartOf="@+id/textView"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

    <Switch
        android:id="@+id/switch1"
```

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="12dp"
        android:layout_marginTop="84dp"
        android:checked="true"
        android:text="WIFI"
        app:layout_constraintStart_toStartOf="@+id/toggleButton"
        app:layout_constraintTop_toBottomOf="@+id/toggleButton" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

MAIN ACTIVITY.JAVA:

```

package com.example.switch_toggle;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.CompoundButton;
import android.widget.Switch;
import android.widget.Toast;
import android.widget.ToggleButton;

public class MainActivity extends AppCompatActivity {

    private ToggleButton tb;
    private Switch wifi;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        tb=findViewById(R.id.toggleButton);
        wifi=findViewById(R.id.switch1);
        tb.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener() {
            @Override
            public void onCheckedChanged(CompoundButton buttonView, boolean isChecked) {
                switch(buttonView.getId())
                {
                    case R.id.toggleButton:
                        if(isChecked)
                            showMessage("Toggle Button is ON");
                        else
                            showMessage("Toggle Button is OFF");
                        break;
                }
            }
        });

        private void showMessage(String message)

```

```

        {
            Toast.makeText(MainActivity.this,message,Toast.LENGTH_LONG).show();
        }
    });
    wifi.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener() {
        @Override
        public void onCheckedChanged(CompoundButton buttonView, boolean isChecked) {
            switch(buttonView.getId())
            {
                case R.id.switch1:
                    if(isChecked)
                        showMessage("Switch is ON");
                    else
                        showMessage("Switch is OFF");
                    break;
            }
        }
    });

    private void showMessage(String message)
    {
        Toast.makeText(MainActivity.this,message,Toast.LENGTH_LONG).show();
    }
    });
}
}

```

OUTPUT:









