

## Practical 9

**Question 1. Write a program to create a toggle button to display ON / OFF bluetooth on the display screen.**

### MainActivity.java

```
package com.example.practical9;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;
import android.widget.ToggleButton;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        ToggleButton tb=findViewById(R.id.toggleButton);
        TextView tx=findViewById(R.id.textView);
        View.OnClickListener vl=new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String status= (String) tb.getText();
                if(status.equals("on"))
                    tx.setText("Bluetooth is on");
                else
                    tx.setText("Bluetooth is off");
            }
        };
        tb.setOnClickListener(vl);
    }
}
```

### 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">

<FrameLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">
```

```
<ToggleButton
    android:id="@+id/toggleButton"
    android:layout_width="153dp"
    android:layout_height="262dp"
    android:layout_gravity="center"
    android:drawableBottom="@drawable/bluetooth"
    android:textOff="off"
    android:textOn="on" />
```

```
<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="100dp"
    android:layout_gravity="center_horizontal"
    android:text="Bluetooth is off"/>
```

```
</FrameLayout>
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

Output



Bluetooth is on

