Manifest.xml

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

Xml code

<?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/bluetoothStatusText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Bluetooth Status"  
 android:textSize="20sp"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 android:padding="20dp"/>  
  
 <Button  
 android:id="@+id/toggleBluetoothButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Toggle Bluetooth"  
 app:layout\_constraintTop\_toBottomOf="@id/bluetoothStatusText"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 android:padding="10dp"/>  
</androidx.constraintlayout.widget.ConstraintLayout>

Mainactivity.xml

import android.bluetooth.BluetoothAdapter  
import android.content.Intent  
import android.os.Bundle  
import android.widget.Button  
import android.widget.TextView  
import androidx.appcompat.app.AppCompatActivity  
  
class MainActivity : AppCompatActivity() {  
  
 private val bluetoothAdapter: BluetoothAdapter? = BluetoothAdapter.getDefaultAdapter()  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 val bluetoothStatusText = findViewById<TextView>(R.id.*bluetoothStatusText*)  
 val toggleBluetoothButton = findViewById<Button>(R.id.*toggleBluetoothButton*)  
  
 // Function to update Bluetooth status  
 fun updateBluetoothStatus() {  
 bluetoothStatusText.*text* = when {  
 bluetoothAdapter == null -> "Bluetooth not supported"  
 bluetoothAdapter.*isEnabled* -> "Bluetooth is ON"  
 else -> "Bluetooth is OFF"  
 }  
 }  
  
 // Set initial Bluetooth status  
 updateBluetoothStatus()  
  
 // Toggle Bluetooth when button is clicked  
 toggleBluetoothButton.setOnClickListener **{** if (bluetoothAdapter != null) {  
 if (bluetoothAdapter.*isEnabled*) {  
 bluetoothAdapter.disable()  
 } else {  
 val enableBtIntent = Intent(BluetoothAdapter.*ACTION\_REQUEST\_ENABLE*)  
 startActivity(enableBtIntent)  
 }  
 }  
 updateBluetoothStatus()  
 **}** }  
}