MainActivity.java:

```
import android.bluetooth.BluetoothAdapter;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ImageButton;
import android.widget.ListView;
import java.util.ArrayList;
public class MainActivity extends AppCompatActivity {
    ImageButton imgoff;
    private BluetoothAdapter bluetoothAdapter;
    private ListView listView;
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        imgon = findViewById(R.id.wion);
        imgoff = findViewById(R.id.wioff);
        listView = findViewById(R.id.listView);
        bluetoothAdapter = BluetoothAdapter.getDefaultAdapter();
        imgon.setOnClickListener(new View.OnClickListener() {
               enableBluetooth();
        imgoff.setOnClickListener(new View.OnClickListener() {
                disableBluetooth();
        listPairedDevices();
        listView.setOnItemClickListener(new
AdapterView.OnItemClickListener() {
```

```
onItemClick(AdapterView<?> adapterView, View view,
                                                        String deviceName =
(String)
adapterView.getItemAtPosition(i);
Toast.LENGTH SHORT).show();
                    Intent(BluetoothAdapter.ACTION REQUEST ENABLE);
        imgon.setVisibility(View.INVISIBLE);
        imgoff.setVisibility(View.VISIBLE);
        bluetoothAdapter.disable();
        imgon.setVisibility(View.VISIBLE);
        imgoff.setVisibility(View.INVISIBLE);
                bluetoothAdapter.getBondedDevices();
        ArrayList<String> devicesList = new ArrayList<>();
        if (pairedDevices.size() > 0) {
            for (BluetoothDevice device : pairedDevices) {
                devicesList.add(device.getName() + "\n" +
                        device.getAddress());
        ArrayAdapter<String> arrayAdapter = new ArrayAdapter<>(this,
               android.R.layout.simple list item 1, devicesList);
        listView.setAdapter(arrayAdapter);
```

```
android:layout width="match parent"
android:layout height="match parent"
<TextView
    android:id="@+id/textView"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout centerHorizontal="true"
    android:layout marginTop="10dp"
    android:textSize="40dp"
<ImageButton</pre>
    android:id="@+id/wion"
    android:layout width="wrap content"
    android:layout below="@id/textView"
    android:layout height="wrap content"
    android:layout centerInParent="true"
    android:layout width="wrap content"
    android: layout height = "wrap content"
    android:layout below="@id/textView"
    android:layout centerInParent="true"
    android:layout centerVertical="true"
<TextView
    android:id="@+id/textView1"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout centerHorizontal="true"
    android:layout marginTop="10dp"
    android:textColor="@color/white"
    android: layout below="@+id/wion"
    android:textStyle="bold" />
<ListView
```

```
android:id="@+id/listView"
   android:background="@color/white"
   android:layout_width="match_parent"
   android:layout_height="match_parent"
   android:layout_below="@id/textView1"
   android:layout_marginTop="19dp" />
</RelativeLayout>
```

Manifest permissions:

```
<uses-permission android:name="android.permission.BLUETOOTH"/>
<uses-permission android:name="android.permission.BLUETOOTH_CONNECT"/>
<uses-permission android:name="android.permission.BLUETOOTH_SCAN"/>
<uses-permission android:name="android.permission.BLUETOOTH_ADMIN"/>
<uses-permission android:name="android.permission.BLUETOOTH_ADVERTISE"/>
```