# Lab Exercise 04: Spinner

MainActivity.java

package com.example.lab04;  
  
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ImageView;  
import android.widget.Spinner;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 spinnerFn();  
 }  
  
 public void spinnerFn() {  
 Spinner spinner;  
 ImageView img;  
  
 spinner = findViewById(R.id.*spinner*);  
 img = findViewById(R.id.*imageView*);  
  
 spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {  
 @Override  
 public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {  
 if (spinner.getSelectedItemId() == 0) img.setImageResource(R.drawable.*android*);  
 else if (spinner.getSelectedItemId() == 1) img.setImageResource(R.drawable.*mac*);  
 else if (spinner.getSelectedItemId() == 2) img.setImageResource(R.drawable.*ios*);  
 else if (spinner.getSelectedItemId() == 3) img.setImageResource(R.drawable.*mslogo*);  
 else if (spinner.getSelectedItemId() == 4) img.setImageResource(R.drawable.*linux*);  
 }  
  
 @Override  
 public void onNothingSelected(AdapterView<?> adapterView) {  
  
 }  
  
 });  
 }  
}

Strings.xml

<resources>  
 <string name="app\_name">Lab04</string>  
 <string-array name="os">  
 <item>Android</item>  
 <item>MacOS</item>  
 <item>iOS</item>  
 <item>Windows</item>  
 <item>Linux</item>  
 </string-array>  
</resources>

activity\_main.xml

*<?*xml version="1.0" encoding="utf-8"*?>*<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">  
  
 <Spinner  
 android:id="@+id/spinner"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:entries="@array/os"  
 android:minHeight="32dp" />  
  
 <ImageView  
 android:id="@+id/imageView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:src="@drawable/android" />  
</LinearLayout>

OUTPUT

|  |  |  |
| --- | --- | --- |
| Icon  Description automatically generated | Graphical user interface, application  Description automatically generated | A picture containing application  Description automatically generated |