# **MainActivity.kt**

**package** com.example.lab1  
  
**import** android.content.res.Configuration  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.view.View  
**import** android.widget.AdapterView  
**import** android.widget.ArrayAdapter  
**import** android.widget.Spinner  
**import** android.widget.TextView  
**import** java.util.\*  
  
**private lateinit var** *languageSpinner*: Spinner  
**private lateinit var** *textView*: TextView  
**private lateinit var** *languages*: Array<String>  
  
**class** MainActivity : AppCompatActivity() {  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 *languageSpinner* = findViewById(R.id.*languageSpinner*)  
 *textView* = findViewById(R.id.*textView*)  
  
 *languages* = *resources*.getStringArray(R.array.*languages*)  
  
 **val** spinnerAdapter = ArrayAdapter(**this**, android.R.layout.*simple\_spinner\_item*, *languages*)  
 *languageSpinner*.*adapter* = spinnerAdapter  
  
  
  
 *languageSpinner*.*onItemSelectedListener* = **object** : AdapterView.OnItemSelectedListener {  
 **override fun** onItemSelected(parent: AdapterView<\*>?, view: View?, position: Int, id: Long) {  
  
 **val** locale = **when** (*languages*[position]) {  
 **"German"** -> Locale(**"de"**)  
 **"Spanish"** -> Locale(**"es"**)  
 **"Russian"** -> Locale(**"ru"**)  
 **else** -> Locale.getDefault()  
 }  
 **val** config = Configuration(*resources*.*configuration*)  
 config.setLocale(locale)  
 *resources*.updateConfiguration(config, *resources*.*displayMetrics*)  
  
 *textView*.*text* = *resources*.getString(R.string.*textView*)  
 }  
  
 **override fun** onNothingSelected(parent: AdapterView<\*>?) {  
 }  
 }  
  
 }  
  
 **override fun** onStart() {  
 **super**.onStart()  
 *languageSpinner*.*onItemSelectedListener* = **object** : AdapterView.OnItemSelectedListener {  
 **override fun** onItemSelected(parent: AdapterView<\*>?, view: View?, position: Int, id: Long) {  
 **val** locale = **when** (*languages*[position]) {  
 **"German"** -> Locale(**"de"**)  
 **"Spanish"** -> Locale(**"es"**)  
 **"Russian"** -> Locale(**"ru"**)  
 **else** -> Locale.getDefault()  
 }  
 **val** config = Configuration(*resources*.*configuration*)  
 config.setLocale(locale)  
 *resources*.updateConfiguration(config, *resources*.*displayMetrics*)  
  
 *textView*.*text* = *resources*.getString(R.string.*textView*)  
 }  
  
 **override fun** onNothingSelected(parent: AdapterView<\*>?) {  
 }  
 }  
 }  
}

# **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"  
 android:background="@color/teal\_700"  
 tools:context=".MainActivity"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="sans-serif"  
 android:text="@string/textView"  
 android:textAllCaps="false"  
 android:textColor="#263238"  
 android:textSize="34sp"  
 android:textStyle="bold|italic"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.525"** />  
  
 <**Spinner  
 android:id="@+id/languageSpinner"  
 android:layout\_width="172dp"  
 android:layout\_height="48dp"  
 android:entries="@array/languages"  
 app:layout\_constraintBottom\_toTopOf="@+id/textView"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.497"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.825"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

# **strings.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**resources**>  
 <**string name="app\_name"**>Lab1</**string**>  
 <**string name="textView"**>Hello World!!!</**string**>  
 <**string-array name="languages"**>  
 <**item**>English</**item**>  
 <**item**>Spanish</**item**>  
 <**item**>German</**item**>  
 <**item**>Russian</**item**>  
 </**string-array**>  
</**resources**>

*//German*

*<?***xml version="1.0" encoding="utf-8"***?>*<**resources**>  
 <**string name="app\_name"**>Labor1</**string**>  
 <**string name="textView"**>Hallo Welt!!!</**string**>  
 <**string-array name="languages"**>  
 <**item**>German</**item**>  
 <**item**>English</**item**>  
 <**item**>Russian</**item**>  
 <**item**>Spanish</**item**>  
 </**string-array**>  
</**resources**>

*//Spanish*

*<?***xml version="1.0" encoding="utf-8"***?>*<**resources**>  
 <**string name="app\_name"**>Lab1</**string**>  
 <**string name="textView"**>¡¡¡Hola Mundo!!!</**string**>  
 <**string-array name="languages"**>  
 <**item**>Spanish</**item**>  
 <**item**>English</**item**>  
 <**item**>Russian</**item**>  
 <**item**>German</**item**>  
 </**string-array**>  
</**resources**>

*//Russian*

*<?***xml version="1.0" encoding="utf-8"***?>*<**resources**>  
 <**string name="app\_name"**>Лаб1</**string**>  
 <**string name="textView"**>Привет, мир!!!</**string**>  
 <**string-array name="languages"**>  
 <**item**>Russian</**item**>  
 <**item**>English</**item**>  
 <**item**>Spanish</**item**>  
 <**item**>German</**item**>  
 </**string-array**>  
</**resources**>

# **Screenshots**

A screen shot of a cell phone

Description automatically generated

A screen shot of a cell phone

Description automatically generated

A screenshot of a phone

Description automatically generated