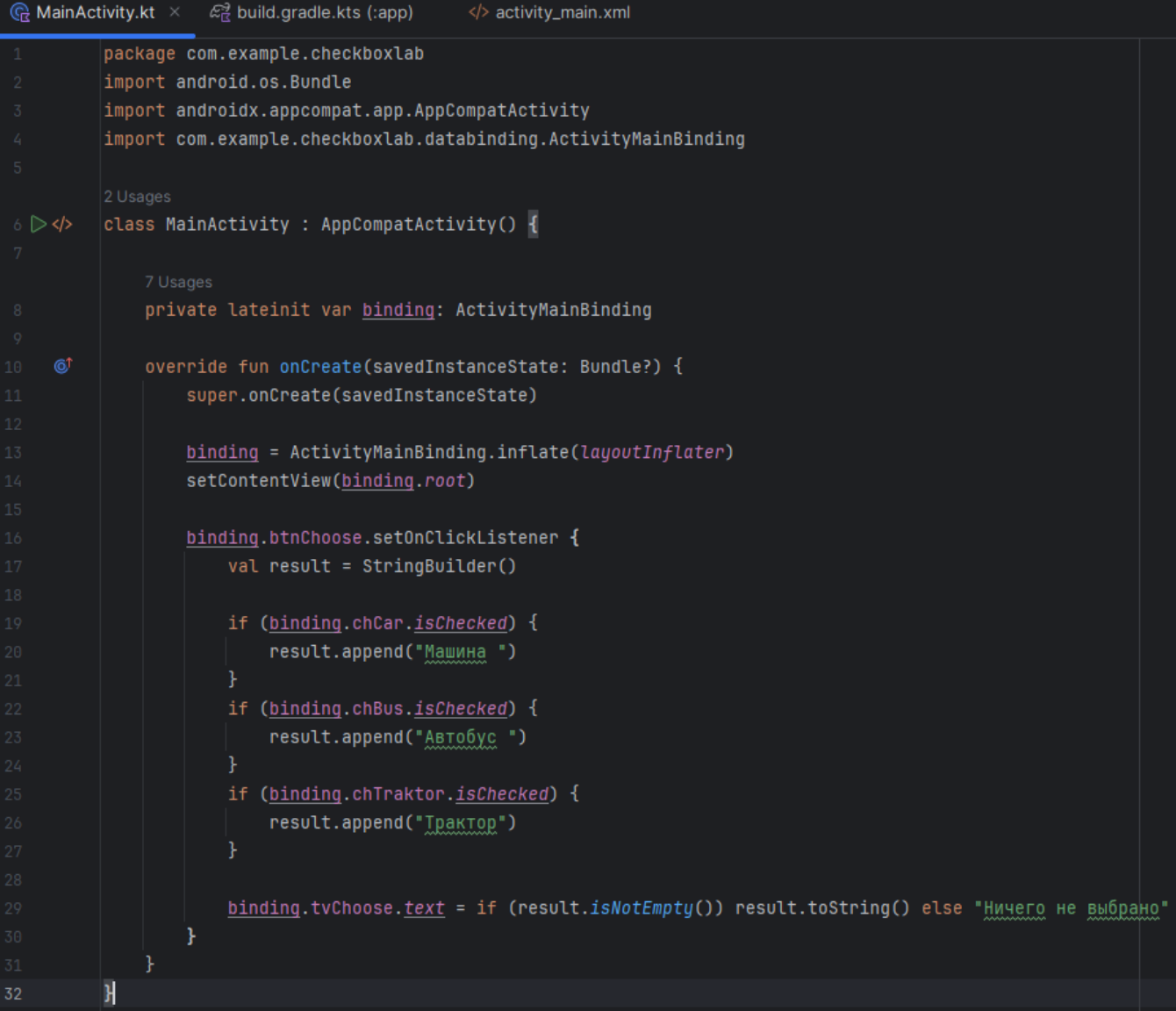


# 1 Практическая работа CheckBox

Выполнила Грачева Вероника Ис 233



```
1 package com.example.checkboxlab
2 import android.os.Bundle
3 import androidx.appcompat.app.AppCompatActivity
4 import com.example.checkboxlab.databinding.ActivityMainBinding
5
6 class MainActivity : AppCompatActivity() {
7
8     private lateinit var binding: ActivityMainBinding
9
10    override fun onCreate(savedInstanceState: Bundle?) {
11        super.onCreate(savedInstanceState)
12
13        binding = ActivityMainBinding.inflate(layoutInflater)
14        setContentView(binding.root)
15
16        binding.btnChoose.setOnClickListener {
17            val result = StringBuilder()
18
19            if (binding.chCar.isChecked) {
20                result.append("Машина ")
21            }
22            if (binding.chBus.isChecked) {
23                result.append("Автобус ")
24            }
25            if (binding.chTraktor.isChecked) {
26                result.append("Трактор")
27            }
28
29            binding.tvChoose.text = if (result.isNotEmpty()) result.toString() else "Ничего не выбрано"
30        }
31    }
32 }
```

You can use the Project Structure dialog to view and edit your project configuration

```
1  plugins {
2      alias(libs.plugins.android.application)
3      alias(libs.plugins.kotlin.android)
4  }
5
6  android {
7      namespace = "com.example.checkboxlab"
8      compileSdk = 34
9
10     defaultConfig {
11         applicationId = "com.example.checkboxlab"
12         minSdk = 24
13         targetSdk = 34
14         versionCode = 1
15         versionName = "1.0"
16
17         testInstrumentationRunner = "androidx.test.runner.AndroidJUnitRunner"
18     }
19
20     buildTypes {
21         release {
22             isMinifyEnabled = false
23             proguardFiles(
24                 ...files = getDefaultProguardFile(name = "proguard-android-optimize.txt"),
25                 "proguard-rules.pro"
26             )
27         }
28     }
29
30     compileOptions {
31         sourceCompatibility = JavaVersion.VERSION_1_8
32         targetCompatibility = JavaVersion.VERSION_1_8
33     }
34
35     kotlinOptions {
36         jvmTarget = "1.8"
37     }
38
39     buildFeatures {
```

You can use the Project Structure dialog to view and edit your project configuration

```
6      android {
10          defaultConfig {
18          }
19
20          buildTypes {
21              release {
22                  isMinifyEnabled = false
23                  proguardFiles(
24                      ...files = getDefaultProguardFile( name = "proguard-android-optim
25                      "proguard-rules.pro"
26                  )
27              }
28          }
29
30          compileOptions {
31              sourceCompatibility = JavaVersion.VERSION_1_8
32              targetCompatibility = JavaVersion.VERSION_1_8
33          }
34
35          kotlinOptions {
36              jvmTarget = "1.8"
37          }
38
39          buildFeatures {
40              viewBinding = true
41          }
42      }
43
44      dependencies {
45          implementation(libs.androidx.core.ktx)
46          implementation(libs.androidx.appcompat)
47          implementation(libs.material)
48          implementation(libs.androidx.activity)
49          implementation(libs.androidx.constraintlayout)
50          testImplementation(libs.junit)
51          androidTestImplementation(libs.androidx.junit)
52          androidTestImplementation(libs.androidx.espresso.core)
53      }
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:id="@+id/main"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     android:padding="50dp"
9     android:orientation="vertical"
10    tools:context=".MainActivity">
11
12    <LinearLayout
13        android:layout_width="wrap_content"
14        android:layout_height="wrap_content"
15        android:orientation="horizontal"
16        android:padding="10dp">
17
18        <CheckBox
19            android:id="@+id/chCar"
20            android:layout_width="wrap_content"
21            android:layout_height="wrap_content"
22            android:text="Машина" />
23
24        <CheckBox
25            android:id="@+id/chBus"
26            android:layout_width="wrap_content"
27            android:layout_height="wrap_content"
28            android:text="Автобус" />
29
30        <CheckBox
31            android:id="@+id/chTraktor"
32            android:layout_width="wrap_content"
33            android:layout_height="wrap_content"
34            android:text="Трактор" />
35
36    </LinearLayout>
37
38    <Button
39        android:id="@+id/btnChoose"
40        android:layout_width="wrap_content"
41        android:layout_height="wrap_content"
42        android:layout_gravity="center"
```

