Выполнил: Винник Ярослав ис 231

Xml:

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp"
    android:gravity="center">

    <CheckBox
        android:id="@+id/checkBoxOption1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="пиво"
        android:textSize="18sp"
        android:layout_marginBottom="16dp"/>

    <CheckBox
        android:id="@+id/checkBoxOption2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="водка"
        android:textSize="18sp"
        android:layout_marginBottom="16dp"/>

    <CheckBox
        android:id="@+id/checkBoxOption3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="вино"
        android:textSize="18sp"
        android:layout_marginBottom="32dp"/>

    <Button
        android:id="@+id/btnSubmit"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="смешать"
        android:textSize="16sp"/>

    <TextView
        android:id="@+id/tvResult"
```

```xml
    <TextView
        android:id="@+id/tvResult"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Результат:"
        android:textSize="18sp"
        android:layout_marginTop="24dp"
        android:textStyle="bold"/>

</LinearLayout>
```

Main activity:

```kotlin
package com.example.checkbox

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.CheckBox
import android.widget.TextView
import android.widget.Toast

class MainActivity : AppCompatActivity() {  1 Usage

    private lateinit var checkBoxOption1: CheckBox  4 Usages
    private lateinit var checkBoxOption2: CheckBox  4 Usages
    private lateinit var checkBoxOption3: CheckBox  4 Usages
    private lateinit var btnSubmit: Button  2 Usages
    private lateinit var tvResult: TextView  2 Usages

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        // Инициализация элементов через findViewById
        checkBoxOption1 = findViewById( id = R.id.checkBoxOption1)
        checkBoxOption2 = findViewById( id = R.id.checkBoxOption2)
        checkBoxOption3 = findViewById( id = R.id.checkBoxOption3)
        btnSubmit = findViewById( id = R.id.btnSubmit)
        tvResult = findViewById( id = R.id.tvResult)

        // Обработчик кнопки
        btnSubmit.setOnClickListener {
            checkSelection()
        }

        // Обработчики для CheckBox
        checkBoxOption1.setOnClickListener {
            showToast("Опция 1: ${checkBoxOption1.isChecked}")
        }

        checkBoxOption2.setOnClickListener {
            showToast("Опция 2: ${checkBoxOption2.isChecked}")
        }
```

```kotlin
                showToast("Опция 2: ${checkBoxOption2.isChecked}")
            }

            checkBoxOption3.setOnClickListener {
                showToast("Опция 3: ${checkBoxOption3.isChecked}")
            }
        }

        private fun checkSelection() {   1 Usage
            val selectedOptions = mutableListOf<String>()

            if (checkBoxOption1.isChecked) selectedOptions.add("пиво")
            if (checkBoxOption2.isChecked) selectedOptions.add("водка")
            if (checkBoxOption3.isChecked) selectedOptions.add("вино")

            val result = if (selectedOptions.isNotEmpty()) {
                "Вы выбрали: ${selectedOptions.joinToString( separator = ", ")}"
            } else {
                "Вы ничего не выбрали"
            }

            tvResult.text = result
        }

        private fun showToast(message: String) {   3 Usages
            Toast.makeText( context = this, text = message, duration = Toast.LENGTH_SHORT).show()
        }
    }
```

Приложение: