

Цель: научиться работать с CheckBox

activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="50dp"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:padding="10dp">

        <CheckBox
            android:id="@+id/cbCar"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Машина" />

        <CheckBox
            android:id="@+id/cbBus"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Автобус" />

        <CheckBox
            android:id="@+id/cbTraktor"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Трактор" />

    </LinearLayout>

    <Button
        android:id="@+id/btnChoose"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:text="Выбор" />

    <TextView
        android:id="@+id/tvChoose"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="16sp"
        android:layout_gravity="center" />
</LinearLayout>
```

MainActivity.kt:

```
package com.example.checkbox
```

```

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

class MainActivity : AppCompatActivity() {

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

        // связываем элементы
        val cbCar: CheckBox = findViewById(R.id.cbCar)
        val cbBus: CheckBox = findViewById(R.id.cbBus)
        val cbTraktor: CheckBox = findViewById(R.id.cbTraktor)
        val btnChoose: Button = findViewById(R.id.btnChoose)
        val tvChoose: TextView = findViewById(R.id.tvChoose)

        btnChoose.setOnClickListener {
            val result = StringBuilder()

            if (cbCar.isChecked) {
                result.append(cbCar.text).append(" ")
            }
            if (cbBus.isChecked) {
                result.append(cbBus.text).append(" ")
            }
            if (cbTraktor.isChecked) {
                result.append(cbTraktor.text).append(" ")
            }

            if (result.isEmpty()) {
                tvChoose.text = "Ничего не выбрано"
            } else {
                tvChoose.text = "Вы выбрали: $result"
            }
        }
    }
}

```

build.gradle.kts:

```

plugins {
    alias(libs.plugins.android.application)
    alias(libs.plugins.kotlin.android)
}

android {
    namespace = "com.example.checkbox"
    compileSdk = 36

    defaultConfig {
        applicationId = "com.example.checkbox"
        minSdk = 24
        targetSdk = 36
        versionCode = 1
        versionName = "1.0"

        testInstrumentationRunner = "androidx.test.runner.AndroidJUnitRunner"
    }

    buildTypes {

```

```

        release {
            isMinifyEnabled = false
            proguardFiles(
                getDefaultProguardFile("proguard-android-optimize.txt"),
                "proguard-rules.pro"
            )
        }
    }

    compileOptions {
        sourceCompatibility = JavaVersion.VERSION_11
        targetCompatibility = JavaVersion.VERSION_11
    }

    kotlinOptions {
        jvmTarget = "11"
    }

    buildFeatures {
        viewBinding = true
    }
}

dependencies {
    implementation(libs.androidx.core.ktx)
    implementation(libs.androidx.appcompat)
    implementation(libs.material)
    implementation(libs.androidx.activity)
    implementation(libs.androidx.constraintlayout)

    testImplementation(libs.junit)
    androidTestImplementation(libs.androidx.junit)
    androidTestImplementation(libs.androidx.espresso.core)
}

```

Результат:

