Practice 11. Solunin

Регистрируемся в openWeatherMap и получаем наш API ключ

Создаем макет

Activity_main

```
<?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="0+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:orientation="vertical"
    android:padding="20dp"
    android:background="0drawable/fon">

    <TextView
        android:id="0+id/textView"
        android:layout_width="match_parent"
        android:tayout_height="wrap_content"
        android:text="Kakas πογομα y Bac?"
        android:text="Kakas πογομα y Bac?"
        android:textSize="30sp"/>

    <Button
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:text="Haxmu Ha MeHs!" />
```

MainActivity

```
package com.example.myapplication11
import android.app.DownloadManager
import android.content.pm.PackageManager
import android.os.Bundle
import android.widget.Button
import android.widget.TextView
import android.widget.Toast
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat
import com.android.volley.Request
import com.android.volley.toolbox.StringRequest
import com.android.volley.toolbox.Volley
import com.google.android.gms.location.FusedLocationProviderClient
import com.google.android.gms.location.LocationServices
import org.json.JSONException
class MainActivity : AppCompatActivity() {
```

```
private lateinit var fusedLocationClient: FusedLocationProviderClient
    private val LOCATION PERMISSION REQUEST CODE = 1
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity main)
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) {
            val systemBars =
insets.getInsets(WindowInsetsCompat.Type.systemBars())
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
        textView = findViewById(R.id.textView)
        btVar1 = findViewById(R.id.btVar1)
LocationServices.getFusedLocationProviderClient(this)
        btVar1.setOnClickListener {
            checkForPermission()
        }
        if (ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS FINE LOCATION) !=
PackageManager. PERMISSION GRANTED &&
            ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS COARSE LOCATION) !=
            ActivityCompat.requestPermissions(this,
                arrayOf(Manifest.permission.ACCESS FINE LOCATION,
Manifest.permission.ACCESS COARSE LOCATION),
            obtainLocation()
Array<out String>, grantResults: IntArray) {
        super.onRequestPermissionsResult(requestCode, permissions,
grantResults)
        if (requestCode == LOCATION PERMISSION REQUEST CODE) {
```

```
obtainLocation()
Toast.LENGTH SHORT).show()
             .addOnSuccessListener { location: Location? ->
                      getTemp(weatherUrl)
             .addOnFailureListener { exception ->
Toast.LENGTH SHORT).show()
         val queue = Volley.newRequestQueue(this)
             Request.Method.GET, url, { response ->
                      // Получаем данные о температуре и влажности из объекта val main: JSONObject = obj.getJSONObject("main")
                      val temperature = main.getString("temp")
                      val humidity = main.getString("humidity") // Получаем
                      val city = obj.getString("name")
                      textView.text = "${temperature} °С в ${city}, Влажность:
${humidity}%"
                  } catch (e: JSONException) {
```

```
// Добавляем запрос в очередь queue.add(stringReq) }
```

Result

