

## активити мэйн xml

```
MainActivity.kt  activity_main.xml  strings.xml
1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx.constraintlayout.widget.ConstraintLayout 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:background="@drawable/porosh"
7      android:layout_width="match_parent"
8      android:layout_height="match_parent"
9      tools:context=".MainActivity">
10     <TextView
11         android:id="@+id/textF"
12         android:layout_width="wrap_content"
13         android:layout_height="wrap_content"
14         android:text="@string/tempInCity"
15         android:textSize="36sp"
16         android:textStyle="bold"
17         android:textAlignment="center"
18         android:layout_marginTop="50dp"
19         android:paddingHorizontal="20dp"
20         app:layout_constraintEnd_toEndOf="parent"
21         app:layout_constraintStart_toStartOf="parent"
22         app:layout_constraintTop_toTopOf="parent" />
23     <Button
24         android:id="@+id/btVar1"
25         android:layout_width="wrap_content"
26         android:layout_height="wrap_content"
27         android:layout_marginBottom="100dp"
28         android:focusable="true"
29         android:textStyle="bold"
30         android:textSize="24sp"
31         android:clickable="true"
32         android:text="CTAPT"
33         android:background="@drawable/shapeforbut"
34         app:layout_constraintBottom_toBottomOf="parent"
35         app:layout_constraintEnd_toEndOf="parent"
36         app:layout_constraintStart_toStartOf="parent" />
37
38
39 </androidx.constraintlayout.widget.ConstraintLayout>
```

## мэйна активити.kt

```
MainActivity.kt x </> activity_main.xml </> strings.xml
1 package com.onlylose.ex11
2
3 import android.annotation.SuppressLint
4 import android.content.pm.PackageManager
5 import android.location.Location
6 import android.os.Bundle
7 import android.widget.Button
8 import android.widget.TextView
9 import android.widget.Toast
10 import android.Manifest
11 import androidx.activity.enableEdgeToEdge
12 import androidx.appcompat.app.AppCompatActivity
13 import androidx.core.app.ActivityCompat
14 import androidx.core.view.ViewCompat
15 import androidx.core.view.WindowInsetsCompat
16 import com.android.volley.Request
17 import com.android.volley.toolbox.StringRequest
18 import com.android.volley.toolbox.Volley
19 import com.google.android.gms.location.FusedLocationProviderClient
20 import com.google.android.gms.location.LocationServices
21 import org.json.JSONObject
22
23 class MainActivity : AppCompatActivity() {
24     var api_key = "adb5136f877fca4162fd4da66b3b1c16"
25     private lateinit var btVar1: Button
26     private lateinit var textView: TextView
27     private lateinit var fusedLocationClient: FusedLocationProviderClient
28     private val LOCATION_PERMISSION_REQUEST_CODE = 1
29     @SuppressLint("MissingInflatedId")
30     override fun onCreate(savedInstanceState: Bundle?) {
31         super.onCreate(savedInstanceState)
32         enableEdgeToEdge()
33         setContentView(R.layout.activity_main)
34         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) {
35             v, insets ->
36             val systemBars =
37             insets.getInsets(WindowInsetsCompat.Type.systemBars())
38             v.setPadding(systemBars.left, systemBars.top, systemBars.right,
39             systemBars.bottom)
40             insets
41         }
42         textView = findViewById(R.id.textF)
43         btVar1 = findViewById(R.id.btVar1)
44         fusedLocationClient =
45             LocationServices.getFusedLocationProviderClient(this)
```

```

@ MainActivity.kt x <> activity_main.xml <> strings.xml
23 class MainActivity : AppCompatActivity() {
30     override fun onCreate(savedInstanceState: Bundle?) {
45         LocationServices.getFusedLocationProviderClient(this)
46         btVar1.setOnClickListener {
47             checkForPermission()
48         }
49     }
50     private fun checkForPermission() {
51         if (ActivityCompat.checkSelfPermission(context: this,
52             Manifest.permission.ACCESS_FINE_LOCATION) !=
53             PackageManager.PERMISSION_GRANTED &&
54             ActivityCompat.checkSelfPermission(context: this,
55             Manifest.permission.ACCESS_COARSE_LOCATION) !=
56             PackageManager.PERMISSION_GRANTED) {
57             ActivityCompat.requestPermissions(activity: this,
58                 arrayOf(Manifest.permission.ACCESS_FINE_LOCATION,
59                     Manifest.permission.ACCESS_COARSE_LOCATION),
60                     LOCATION_PERMISSION_REQUEST_CODE)
61         } else {
62             obtainLocation()
63         }
64     }
65     @Override fun onRequestPermissionsResult(requestCode: Int, permissions:
66         Array<out String>, grantResults: IntArray) {
67         super.onRequestPermissionsResult(requestCode, permissions,
68             grantResults)
69         if (requestCode == LOCATION_PERMISSION_REQUEST_CODE) {
70             if ((grantResults.isNotEmpty() && grantResults[0] ==
71                 PackageManager.PERMISSION_GRANTED)) {
72                 obtainLocation()
73             } else {
74                 Toast.makeText(context: this, text: "Разрешение отклонено",
75                     Toast.LENGTH_SHORT).show()
76             }
77         }
78     }
79     @SuppressWarnings("MissingPermission")
80     private fun obtainLocation() {
81         fusedLocationClient.lastLocation
82             .addOnSuccessListener { location: Location? ->
83                 if (location != null) {
84                     val weatherUrl =
85                         "https://api.openweathermap.org/data/2.5/weather?lat=${location.latitude}&lon=${location.longitude}&units=metri
86                     getTemp(weatherUrl)
87                 } else {

```

```

MainActivity.kt x  <> activity_main.xml  <> strings.xml
23  class MainActivity : AppCompatActivity() {
65      override fun onRequestPermissionsResult(requestCode: Int, permissions:
69          if (requestCode == LOCATION_PERMISSION_REQUEST_CODE) {
70              if ((grantResults.isNotEmpty() && grantResults[0] ==
71                  PackageManager.PERMISSION_GRANTED)) {
72                  obtainLocation()
73              } else {
74                  Toast.makeText(context: this, text: "Разрешение отклонено",
75                      Toast.LENGTH_SHORT).show()
76              }
77          }
78      }
79      @SuppressWarnings("MissingPermission")
80      private fun obtainLocation() {
81          fusedLocationClient.lastLocation
82              .addOnSuccessListener { location: Location? ->
83                  if (location != null) {
84                      val weatherUrl =
85                          "https://api.openweathermap.org/data/2.5/weather?lat=${location.latitude}&lon=${location.longitude}&units=metric&api
86                      getTemp(weatherUrl)
87                  } else {
88                      Toast.makeText(context: this, text: "Не удалось получить местоположение", Toast.LENGTH_SHORT).show()
89                  }
90              }
91              .addOnFailureListener {
92                  Toast.makeText(context: this, text: "Location Permission not granted",
93                      Toast.LENGTH_SHORT).show()
94              }
95          }
96      private fun getTemp(url: String) {
97          val queue = Volley.newRequestQueue(context: this)
98          val stringReq = StringRequest(
99              Request.Method.GET, url, { response ->
100                  val obj = JSONObject(response)
101                  val main: JSONObject = obj.getJSONObject(name: "main")
102                  val temperature = main.getString(name: "temp")
103                  println(temperature)
104                  val city = obj.getString(name: "name")
105                  println(city)
106                  textView.text = "${temperature} градусов по цельсию в ${city}"
107                  System.out.println(obj.toString())
108              },
109              { textView.text = "Ошибка!" })
110          queue.add(stringReq)
111      }

```

андроид манифест.xml

```
MainActivity.kt  AndroidManifest.xml  activity_main.xml  strings.xml
1  <?xml version="1.0" encoding="utf-8"?>
2
3  <manifest xmlns:android="http://schemas.android.com/apk/res/android"
4          xmlns:tools="http://schemas.android.com/tools">
5      <uses-permission android:name="android.permission.ACCESS_COARSE_LOCATION"/>
6      <uses-permission android:name="android.permission.ACCESS_FINE_LOCATION"/>
7      <uses-permission android:name="android.permission.INTERNET"/>
8      <permission android:name="android.permission.ACCESS_COARSE_LOCATION"
9              tools:ignore="ReservedSystemPermission" />
10     <permission android:name="android.permission.ACCESS_FINE_LOCATION"
11             tools:ignore="ReservedSystemPermission" />
12     <application
13         android:allowBackup="true"
14         android:dataExtractionRules="@xml/data_extraction_rules"
15         android:fullBackupContent="@xml/backup_rules"
16         android:icon="@mipmap/ic_launcher"
17         android:label="@string/ex11"
18         android:roundIcon="@mipmap/ic_launcher_round"
19         android:supportRtl="true"
20         android:theme="@style/Theme.Ex11"
21         tools:targetApi="31">
22         <activity
23             android:name=".MainActivity"
24             android:exported="true">
25             <intent-filter>
26                 <action android:name="android.intent.action.MAIN" />
27
28                 <category android:name="android.intent.category.LAUNCHER" />
29             </intent-filter>
30         </activity>
31     </application>
32
33 </manifest>
34
```

string.xml

```
ⓘ Edit translations for all locales in the translations editor.
1  <resources>
2      <string name="app_name">ex11</string>
3      ⚡ <string name="tempInCity">Текущая температура в городе\n</string>
4      <string name="checkWeather">СТАТИ</string>
5  </resources>
```

Итог

Порошенко прийде

Текучая  
температура в  
городе

СТАРТ

порядок наведе

