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Создал приложение для работы с api openwethermar. Добавил влажность.

```
28 class MainActivity : AppCompatActivity() {
29
30     private lateinit var buttonView: Button
31     private lateinit var textView: TextView
32
33     private val LOCATION_PERMISSION_REQUEST_CODE = 1
34
35     override fun onCreate(savedInstanceState: Bundle?) {
36         super.onCreate(savedInstanceState)
37         enableEdgeToEdge()
38         setContentView(R.layout.activity_main)
39         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
40             val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
41             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
42             insets
43         }
44
45         fusedLocationClient = LocationServices.getFusedLocationProviderClient(activity, this)
46
47         buttonView = findViewById(R.id.btnTemp)
48         textView = findViewById(R.id.tvTemp)
49
50         buttonView.setOnClickListener {
51             checkForPermission()
52         }
53     }
54
55     private fun checkForPermission() {
56         if (ActivityCompat.checkSelfPermission(context, this, android.Manifest.permission.ACCESS_FINE_LOCATION) != PackageManager.PERMISSION_GRANTED &&
57             ActivityCompat.checkSelfPermission(context, this, android.Manifest.permission.ACCESS_COARSE_LOCATION) != PackageManager.PERMISSION_GRANTED) {
58             ActivityCompat.requestPermissions(activity, this, arrayOf(android.Manifest.permission.ACCESS_FINE_LOCATION, android.Manifest.permission.ACCESS_COARSE_LOCATION), LOCATION_PERMISSION_REQUEST_CODE)
59         } else {
60             obtainLocation()
61         }
62     }
63
64     @SuppressLint("MissingPermission")
65     private fun obtainLocation() {
66         fusedLocationClient.lastLocation.addOnSuccessListener { location: Location? ->
67             if (location != null) {
68                 Toast.makeText(context, "Получено местоположение: ${location.latitude}, ${location.longitude}", Toast.LENGTH_SHORT).show()
69             }
70         }
71     }
72
73     private fun getTemp(url: String) {
74         val queue = Volley.newRequestQueue(context, this)
75         val stringRequest = StringRequest(
76             Request.Method.GET, url, { response ->
77                 val obj = JSONObject(response)
78                 val main: JSONObject = obj.getJSONObject(name: "main")
79                 val temp = main.getString(name: "temp")
80                 val humidity = main.getString(name: "humidity")
81                 val city = obj.getString(name: "name")
82                 textView.text = "${temp}°C\влажность ${humidity} в ${city}"
83             },
84             { textView.text = "Ошибка" })
85         queue.add(stringRequest)
86     }
87
88     override fun onRequestPermissionsResult(
89         requestCode: Int,
90         permissions: Array<out String>,
91         grantResults: IntArray
92     ) {
93         super.onRequestPermissionsResult(requestCode, permissions, grantResults)
94         if (requestCode == LOCATION_PERMISSION_REQUEST_CODE) {
95             if ((grantResults.isNotEmpty() && grantResults[0] == PackageManager.PERMISSION_GRANTED)) {
96                 obtainLocation()
97             } else {
98                 Toast.makeText(context, this, text: "Разрешение отклонено", Toast.LENGTH_SHORT).show()
99             }
100         }
101     }
102 }
```

