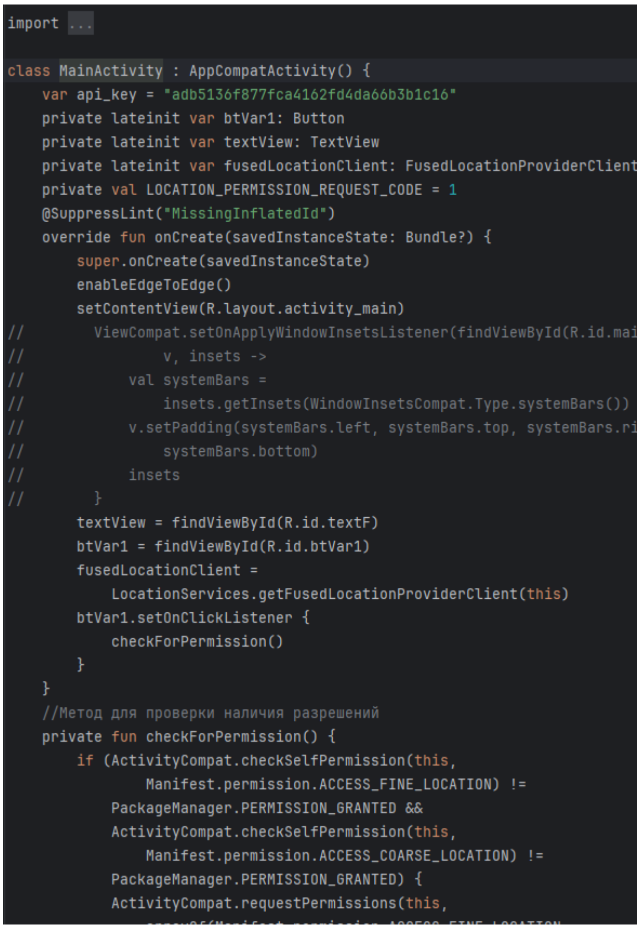
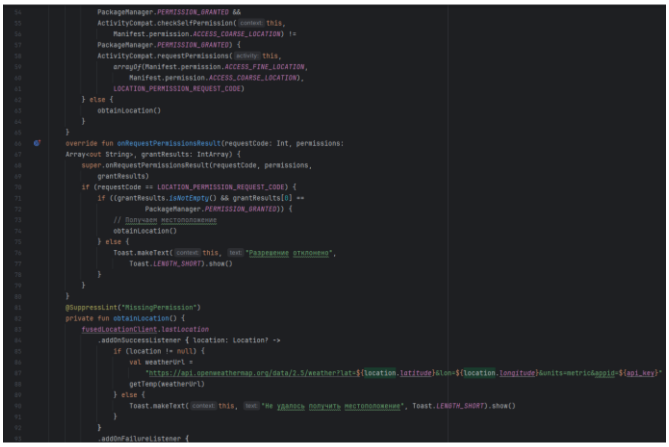
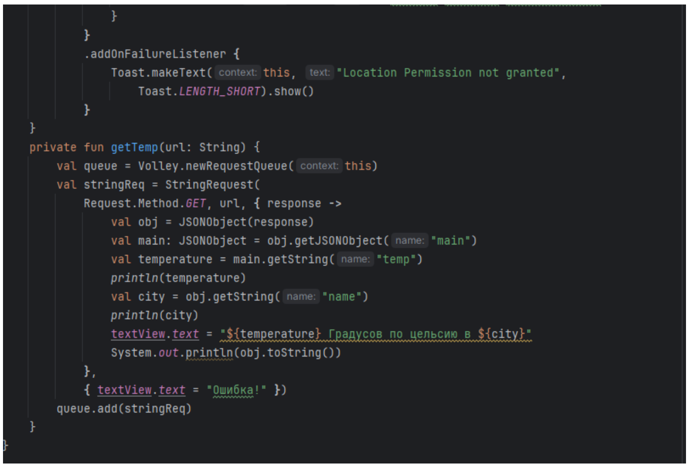
Работа 11 Глущенко Данил ис221



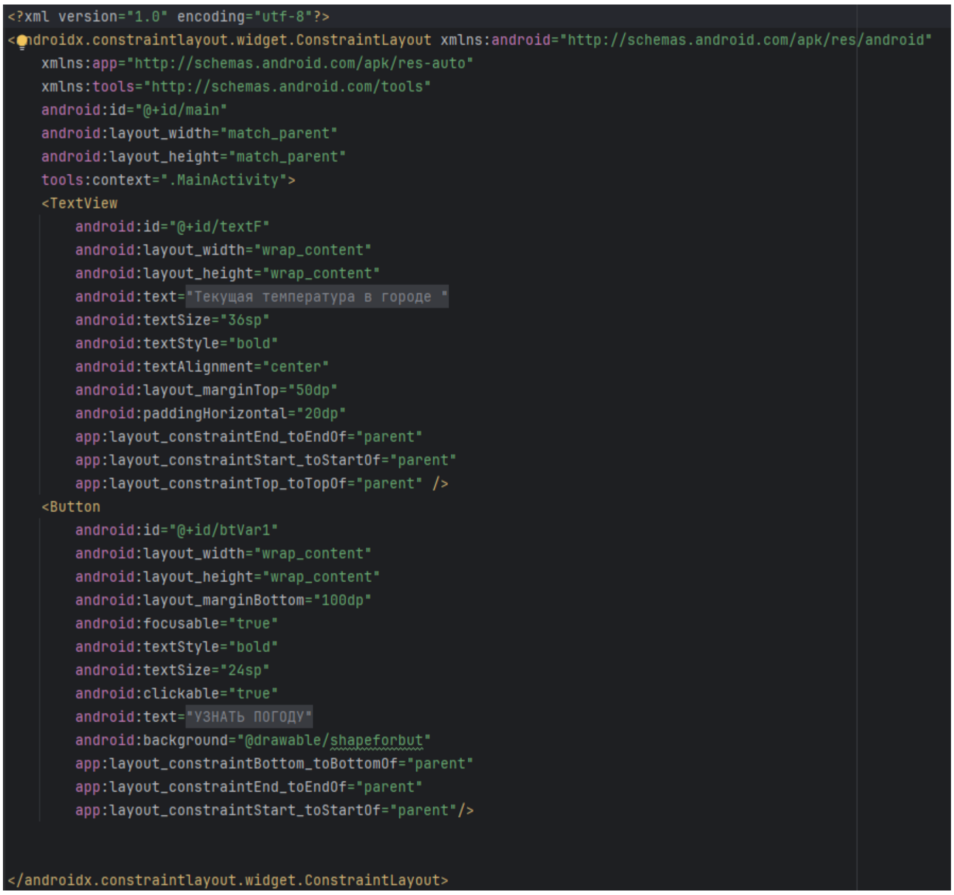
```
import ...

class MainActivity : AppCompatActivity() {
    var api_key = "adb5136f877fca4162fd4da66b3b1c16"
    private lateinit var btVar1: Button
    private lateinit var textView: TextView
    private lateinit var fusedLocationClient: FusedLocationProviderClient
    private val LOCATION_PERMISSION_REQUEST_CODE = 1
    @SuppressLint("MissingInflatedId")
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_main)
//        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.mai
//                v, insets ->
//            val systemBars =
//                insets.getInsets(WindowInsetsCompat.Type.systemBars())
//            v.setPadding(systemBars.left, systemBars.top, systemBars.ri
//                systemBars.bottom)
//            insets
//        }
        textView = findViewById(R.id.textF)
        btVar1 = findViewById(R.id.btVar1)
        fusedLocationClient =
            LocationServices.getFusedLocationProviderClient(this)
        btVar1.setOnClickListener {
            checkForPermission()
        }
    }
    //Метод для проверки наличия разрешений
    private fun checkForPermission() {
        if (ActivityCompat.checkSelfPermission(this,
                Manifest.permission.ACCESS_FINE_LOCATION) !=
            PackageManager.PERMISSION_GRANTED &&
            ActivityCompat.checkSelfPermission(this,
                Manifest.permission.ACCESS_COARSE_LOCATION) !=
            PackageManager.PERMISSION_GRANTED) {
            ActivityCompat.requestPermissions(this,
                arrayOf(Manifest.permission.ACCESS_FINE_LOCATION
```



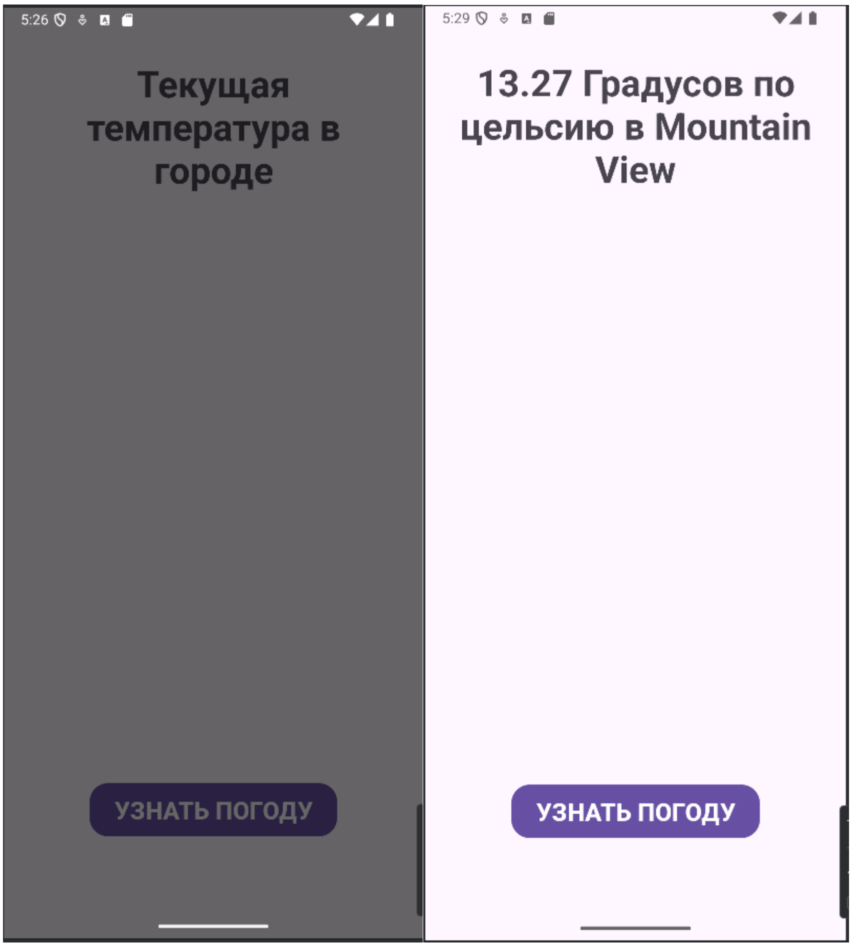
```
            PackageManager.PERMISSION_GRANTED &&
            ActivityCompat.checkSelfPermission( context: this,
                Manifest.permission.ACCESS_COARSE_LOCATION) !=
            PackageManager.PERMISSION_GRANTED) {
            ActivityCompat.requestPermissions( activity: this,
                arrayOf(Manifest.permission.ACCESS_FINE_LOCATION,
                    Manifest.permission.ACCESS_COARSE_LOCATION),
                LOCATION_PERMISSION_REQUEST_CODE)
        } else {
            obtainLocation()
        }
    }
    override fun onRequestPermissionsResult(requestCode: Int, permissions:
    Array<out String>, grantResults: IntArray) {
        super.onRequestPermissionsResult(requestCode, permissions,
            grantResults)
        if (requestCode == LOCATION_PERMISSION_REQUEST_CODE) {
            if ((grantResults.isNotEmpty() && grantResults[0] ==
                        PackageManager.PERMISSION_GRANTED)) {
                // Получаем местоположение
                obtainLocation()
            } else {
                Toast.makeText( context: this,  text: "Разрешение отклонено",
                    Toast.LENGTH_SHORT).show()
            }
        }
    }
    @SuppressLint("MissingPermission")
    private fun obtainLocation() {
        fusedLocationClient.lastLocation
            .addOnSuccessListener { location: Location? ->
                if (location != null) {
                    val weatherUrl =
                        "https://api.openweathermap.org/data/2.5/weather?lat=${location.latitude}&lon=${location.longitude}&units=metric&appid=${api_key}"
                    getTemp(weatherUrl)
                } else {
                    Toast.makeText( context: this,  text: "Не удалось получить местоположение", Toast.LENGTH_SHORT).show()
                }
            }
            .addOnFailureListener {
```



```
                }
            }
            .addOnFailureListener {
                Toast.makeText( context: this,  text: "Location Permission not granted",
                    Toast.LENGTH_SHORT).show()
            }
    }
    private fun getTemp(url: String) {
        val queue = Volley.newRequestQueue( context: this)
        val stringReq = StringRequest(
            Request.Method.GET, url, { response ->
                val obj = JSONObject(response)
                val main: JSONObject = obj.getJSONObject( name: "main")
                val temperature = main.getString( name: "temp")
                println(temperature)
                val city = obj.getString( name: "name")
                println(city)
                textView.text = "${temperature} Градусов по цельсию в ${city}"
                System.out.println(obj.toString())
            },
            { textView.text = "Ошибка!" })
        queue.add(stringReq)
    }
}
```



```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout 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"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/textF"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Текущая температура в городе "
        android:textSize="36sp"
        android:textStyle="bold"
        android:textAlignment="center"
        android:layout_marginTop="50dp"
        android:paddingHorizontal="20dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
    <Button
        android:id="@+id/btVar1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="100dp"
        android:focusable="true"
        android:textStyle="bold"
        android:textSize="24sp"
        android:clickable="true"
        android:text="УЗНАТЬ ПОГОДУ"
        android:background="@drawable/shapeforbut"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"/>


</androidx.constraintlayout.widget.ConstraintLayout>
```



Текущая температура в городе

13.27 Градусов по цельсию в Mountain View