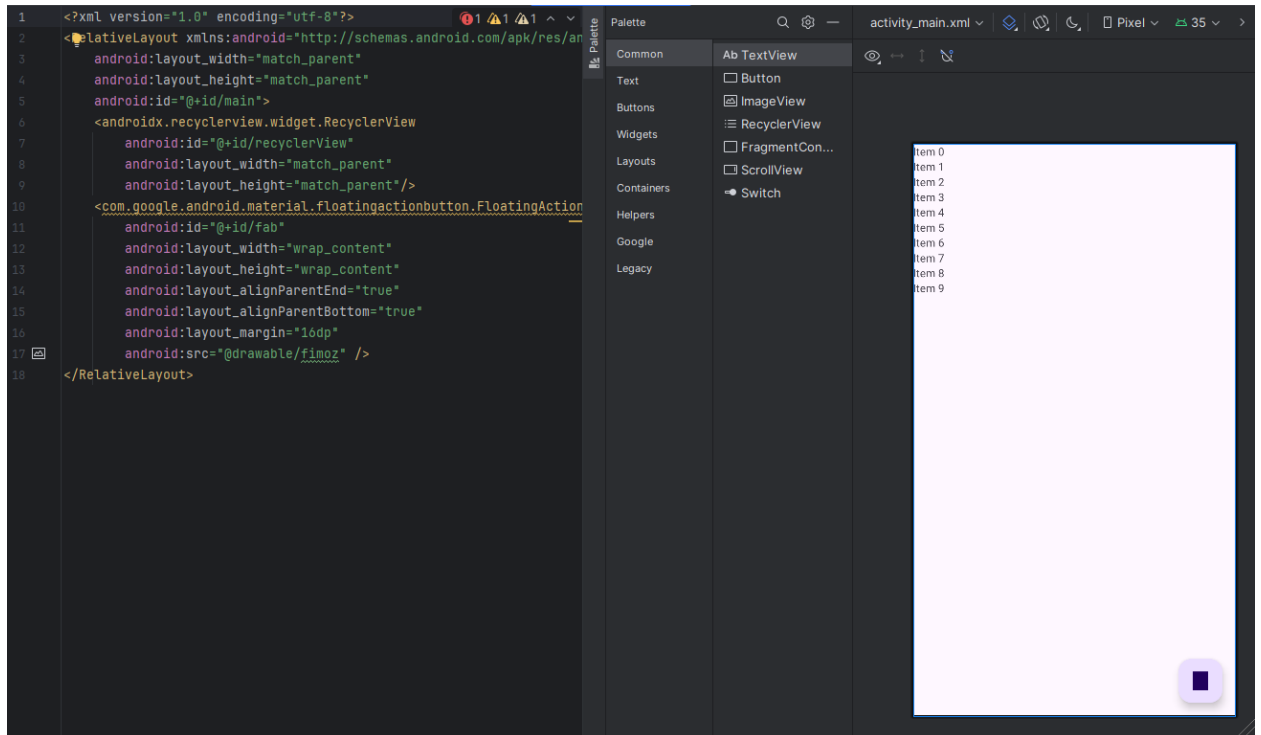
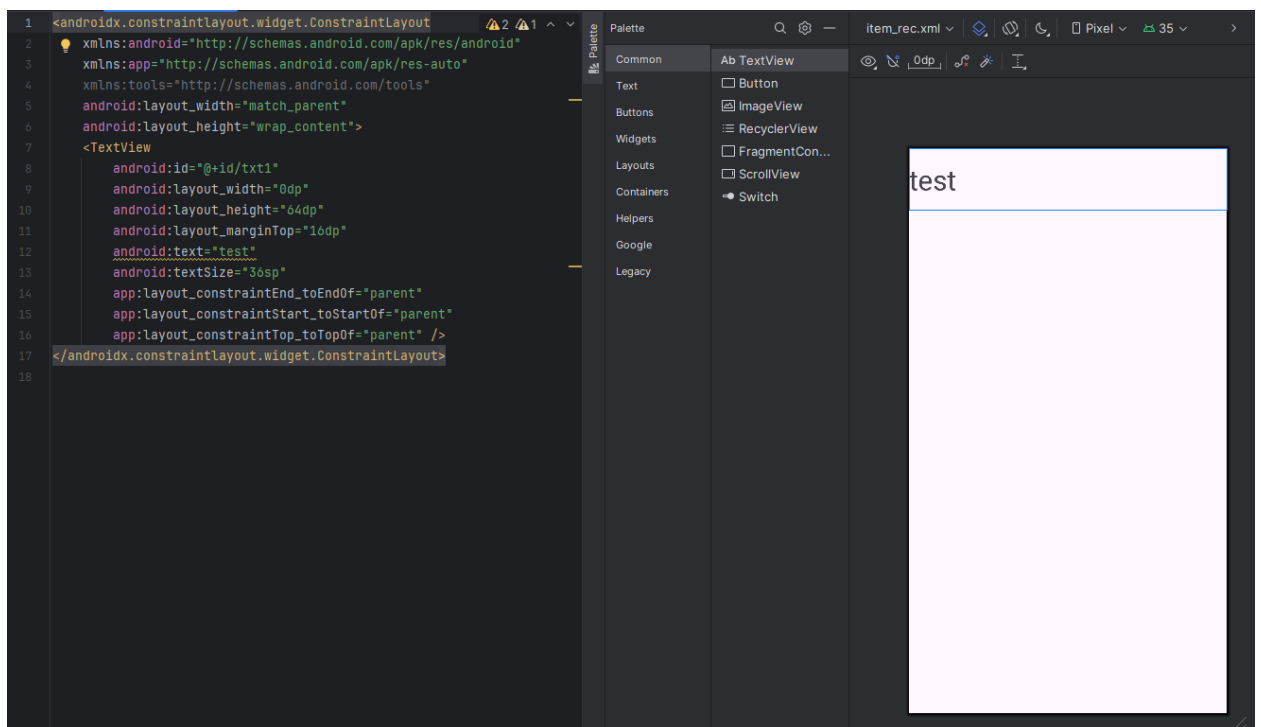


Лабораторная работа 14

1. Главная активность



2. Шаблон



3. Дата класс, который будет хранить информацию о каждом элементе

```
data class Item(
    val text : String
)
```

4. Адаптер

```
1 package com.example.pr14
2
3 > import ...
4
5
6
7
8
9 class ItemAdapter(private val item: List<Item>) :
10     RecyclerView.Adapter<ItemAdapter.ItemViewHolder>(){
11     class ItemViewHolder(view: View) : RecyclerView.ViewHolder(view) {
12         val textView : TextView = view.findViewById(R.id.txt1)
13     }
14     override fun onCreateViewHolder(parent: ViewGroup, viewType: Int):
15         ItemViewHolder {
16         val view =
17             LayoutInflater.from(parent.context).inflate(R.layout.item_rec, parent, attachToRoot: false)
18         return ItemViewHolder(view)
19     }
20     override fun onBindViewHolder(holder: ItemViewHolder, position: Int) {
21         holder.textView.text = item[position].text
22     }
23     override fun getItemCount(): Int {
24         return item.size
25     }
26 }
27
```

5. Код MainActivity, обработка ввода текста и добавления его как элемента RecyclerView

```

13 <> class MainActivity : AppCompatActivity() {
14
15     private lateinit var recyclerView: RecyclerView
16     private lateinit var fab: FloatingActionButton
17     private val items: MutableList<Item> = mutableListOf()
18     private lateinit var adapter: ItemAdapter
19
20     override fun onCreate(savedInstanceState: Bundle?) {
21         super.onCreate(savedInstanceState)
22         setContentView(R.layout.activity_main)
23
24         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
25             val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
26             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
27             insets
28         }
29
30         recyclerView = findViewById(R.id.recyclerView)
31         fab = findViewById(R.id.fab)
32
33         adapter = ItemAdapter(items)
34         recyclerView.layoutManager = LinearLayoutManager(context, this)
35         recyclerView.adapter = adapter
36
37         fab.setOnClickListener {
38             showInputDialog()
39         }
40     }
41
42     private fun showInputDialog() {
43         val builder = AlertDialog.Builder(context, this)
44         builder.setTitle("Добавить элемент")
45
46         val input = EditText(context, this)
47         builder.setView(input)
48
49         builder.setPositiveButton(text: "Добавить") { dialog, _ ->
50             val text = input.text.toString()
51             if (text.isNotEmpty()) {
52                 items.add(Item(text))
53                 adapter.notifyItemInserted(position: items.size - 1)
54             }
55             dialog.dismiss()
56         }
57
58         builder.setNegativeButton(text: "Отмена") { dialog, _ -> dialog.cancel() }
59         builder.show()
60     }
61 }
62

```

6. Результат

