

Mainactivity

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

Itemadapter

```

1  > import ...
8
9  class ItemAdapter(private val item: List<Item>) :
10     RecyclerView.Adapter<ItemAdapter.ItemViewHolder>() {
11
12     class ItemViewHolder(view: View) : RecyclerView.ViewHolder(view) {
13         val textView: TextView = view.findViewById(R.id.txt1)
14     }
15
16     override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): ItemViewHolder {
17         val view = LayoutInflater.from(parent.context).inflate(R.layout.item_rec, parent, attachToRoot: false)
18         return ItemViewHolder(view)
19     }
20
21     override fun onBindViewHolder(holder: ItemViewHolder, position: Int) {
22         holder.textView.text = item[position].text
23     }
24
25     override fun getItemCount(): Int {
26         return item.size
27     }
28 }

```

Item

```

1  package com.example.pract14
2
3  data class Item(    val text: String)

```

```
1 <androidx.constraintlayout.widget.ConstraintLayout
2     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:layout_width="match_parent"
6     android:layout_height="wrap_content">
7
8     <TextView
9         android:id="@+id/txt1"
10        android:layout_width="0dp"
11        android:layout_height="64dp"
12        android:layout_marginTop="16dp"
13        android:text="test"
14        android:textSize="36sp"
15        app:layout_constraintEnd_toEndOf="parent"
16        app:layout_constraintStart_toStartOf="parent"
17        app:layout_constraintTop_toTopOf="parent" />
18 </androidx.constraintlayout.widget.ConstraintLayout>
```

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     android:layout_width="match_parent"
4     android:layout_height="match_parent"
5     android:id="@+id/main">
6
7     <androidx.recyclerview.widget.RecyclerView
8         android:id="@+id/recyclerView"
9         android:layout_width="match_parent"
10        android:layout_height="match_parent"/>
11
12     <com.google.android.material.floatingactionbutton.FloatingActionButton
13         android:id="@+id/fab"
14         android:layout_width="wrap_content"
15         android:layout_height="wrap_content"
16         android:layout_alignParentEnd="true"
17         android:layout_alignParentBottom="true"
18         android:layout_margin="16dp"
19         android:src="@drawable/img" />
20 </RelativeLayout>
```

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Добавить элемент

Отмена

Добавить