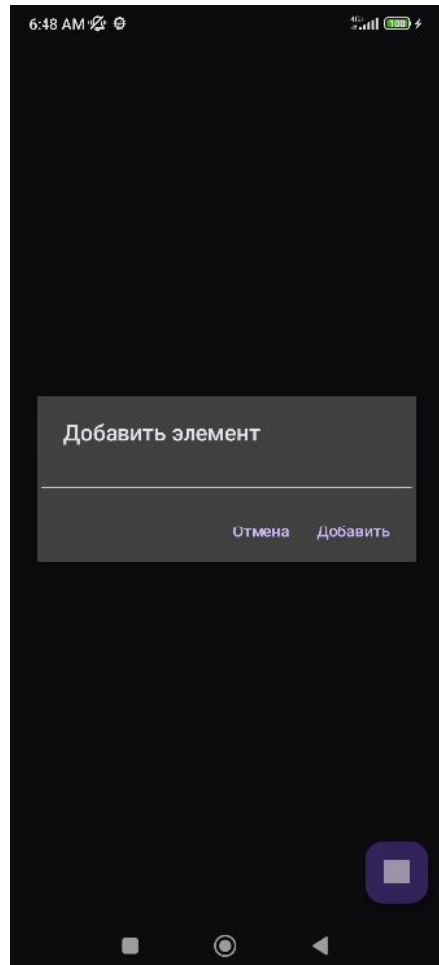
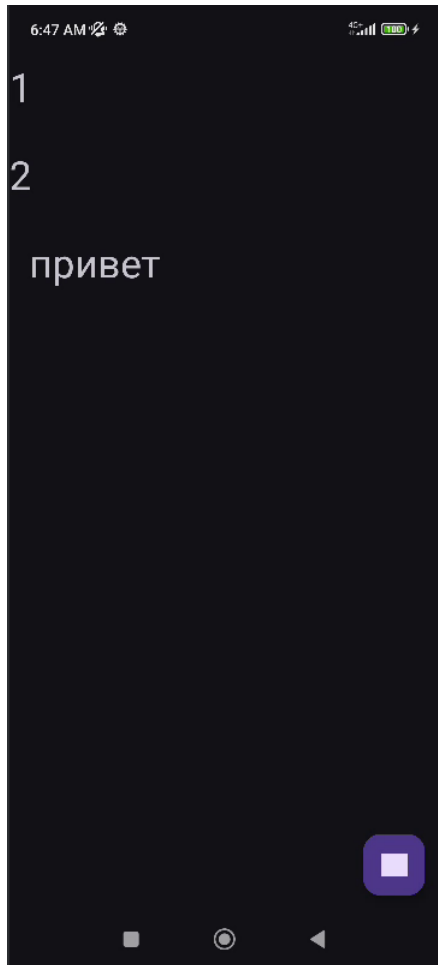


## Работа приложения



## Main xml файл

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:id="@+id/main">
    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/recyclerView"
        android:layout_width="match_parent"
        android:layout_height="match_parent"/>
    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/fab"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_margin="16dp"
        android:src="@drawable/c" />
</RelativeLayout>
```

## Item xml

```
activity_main.xml build.gradle.kts (:app) Item.kt item_rec.xml ItemAdapter.kt
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>
```

## Класс itemAdapter

```
activity_main.xml build.gradle.kts (:app) Item.kt item_rec.xml ItemAdapter.kt MainActivity.kt
1 import android.view.LayoutInflater
2 import android.view.View
3 import android.view.ViewGroup
4 import android.widget.TextView
5 import androidx.recyclerview.widget.RecyclerView
6 import com.example.test14.Item
7 import com.example.test14.R
8
9 class ItemAdapter(private val item: List<Item>) :
10     RecyclerView.Adapter<ItemAdapter.ItemViewHolder>(){
11
12
13     class ItemViewHolder(view: View) : RecyclerView.ViewHolder(view) {
14         val textView : TextView = view.findViewById(R.id.txt1)
15     }
16     override fun onCreateViewHolder(parent: ViewGroup, viewType: Int):
17         ItemViewHolder {
18         val view =
19             LayoutInflater.from(parent.context).inflate(R.layout.item_rec, parent, attachToRoot: false)
20         return ItemViewHolder(view)
21     }
22
23     override fun onBindViewHolder(holder: ItemViewHolder, position: Int) {
24         holder.textView.text = item[position].text
25     }
26
27     override fun getItemCount(): Int {
28         return item.size
29     }
30
31
32 }
```

## Main класс

```
activity_main.xml build.gradle.kts (:app) Item.kt item_rec.xml ItemAdapter.kt MainActivity.kt x
1 package com.example.test14
2
3 > import ...
4
15 class MainActivity : AppCompatActivity() {
16     private lateinit var recyclerView: RecyclerView
17     private lateinit var fab: FloatingActionButton
18     private val items: MutableList<Item> = mutableListOf()
19     private lateinit var adapter: ItemAdapter
20
21
22     override fun onCreate(savedInstanceState: Bundle?) {
23         super.onCreate(savedInstanceState)
24         enableEdgeToEdge()
25         setContentView(R.layout.activity_main)
26         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) {
27             v, insets ->
28             val systemBars =
29                 insets.getInsets(WindowInsetsCompat.Type.systemBars())
30             v.setPadding(systemBars.left, systemBars.top, systemBars.right,
31                 systemBars.bottom)
32             insets
33         }
34
35
36         recyclerView = findViewById(R.id.recyclerView)
37         fab = findViewById(R.id.fab)
38
39         adapter = ItemAdapter(items)
40         recyclerView.layoutManager = LinearLayoutManager(context, this)
41         recyclerView.adapter = adapter
42
43         adapter = ItemAdapter(items)
44         recyclerView.layoutManager = LinearLayoutManager(context, this)
45         recyclerView.adapter = adapter
46
47
48         fab.setOnClickListener {
```

```
activity_main.xml build.gradle.kts (:app) Item.kt item_rec.xml ItemAdapter.kt MainActivity.kt x
15 class MainActivity : AppCompatActivity() {
22     override fun onCreate(savedInstanceState: Bundle?) {
40         recyclerView.layoutManager = LinearLayoutManager(context, this)
41         recyclerView.adapter = adapter
42
43         adapter = ItemAdapter(items)
44         recyclerView.layoutManager = LinearLayoutManager(context, this)
45         recyclerView.adapter = adapter
46
47
48         fab.setOnClickListener {
49             showInputDialog()
50         }
51     }
52
53     private fun showInputDialog() {
54         val builder = AlertDialog.Builder(context, this)
55         builder.setTitle("Добавить элемент")
56
57         val input = EditText(context, this)
58         builder.setView(input)
59
60         builder.setPositiveButton("Добавить") { dialog, _ ->
61             val text = input.text.toString()
62             if (text.isNotEmpty()) {
63                 items.add(Item(text))
64                 adapter.notifyItemInserted(position: items.size - 1)
65             }
66             dialog.dismiss() // Закрываем диалог
67         }
68         // Устанавливаем кнопку "Отмена" в диалоговом окне
69         builder.setNegativeButton("Отмена") { dialog, _ -> dialog.cancel() }
70
71         builder.show() // Показываем диалоговое окно
72     }
73 }
```