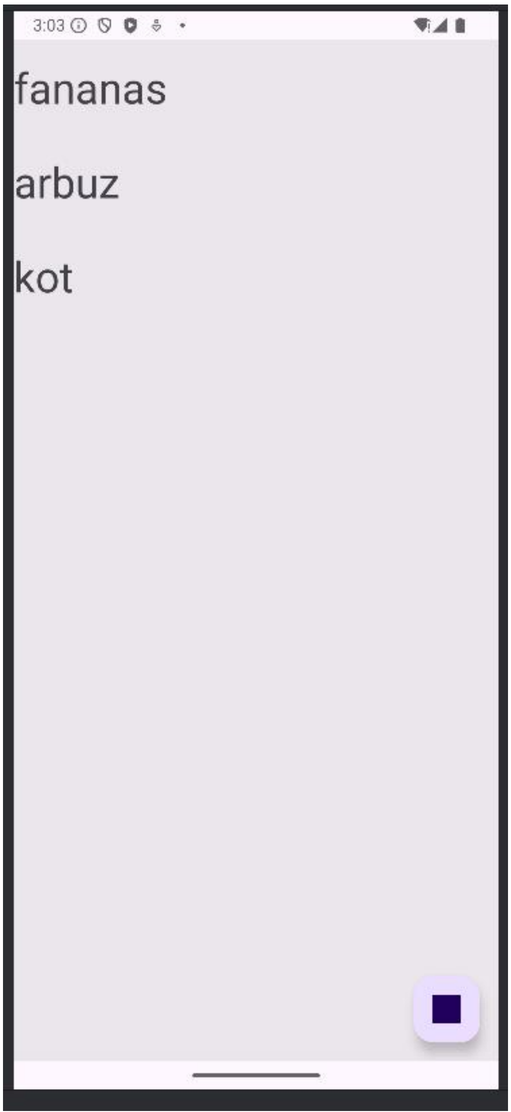
Практика 14

Программа:



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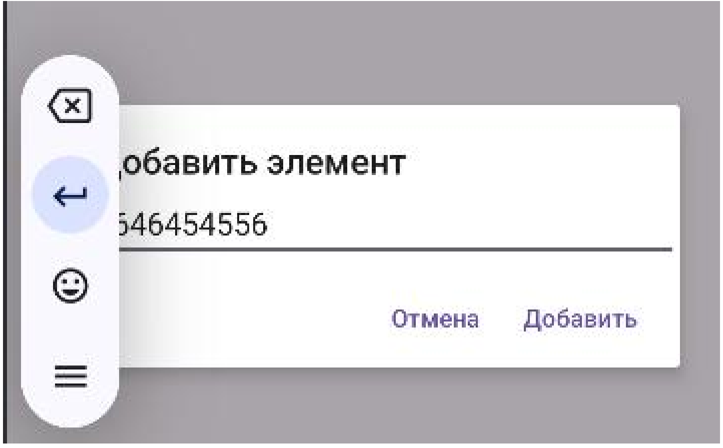

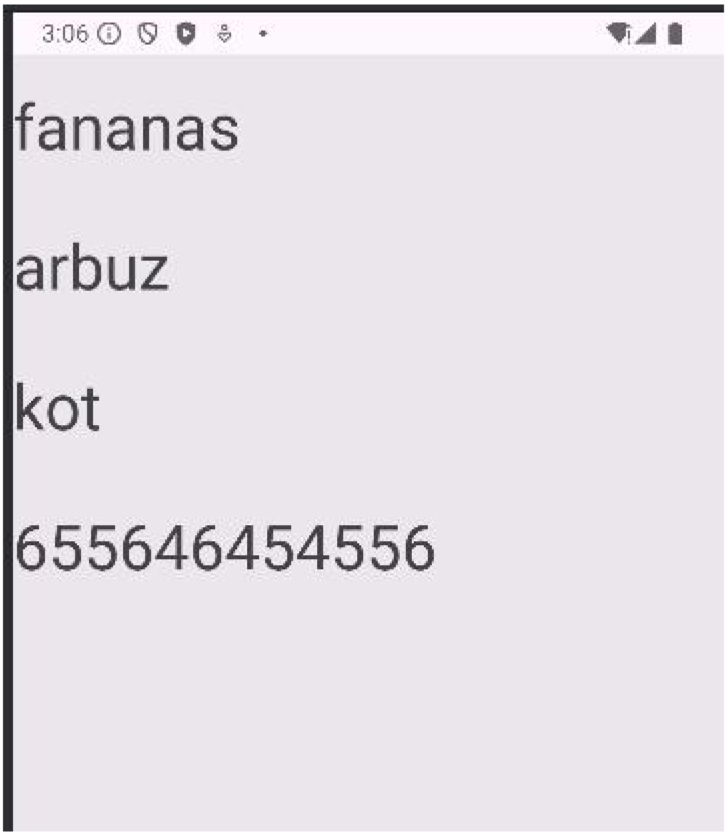

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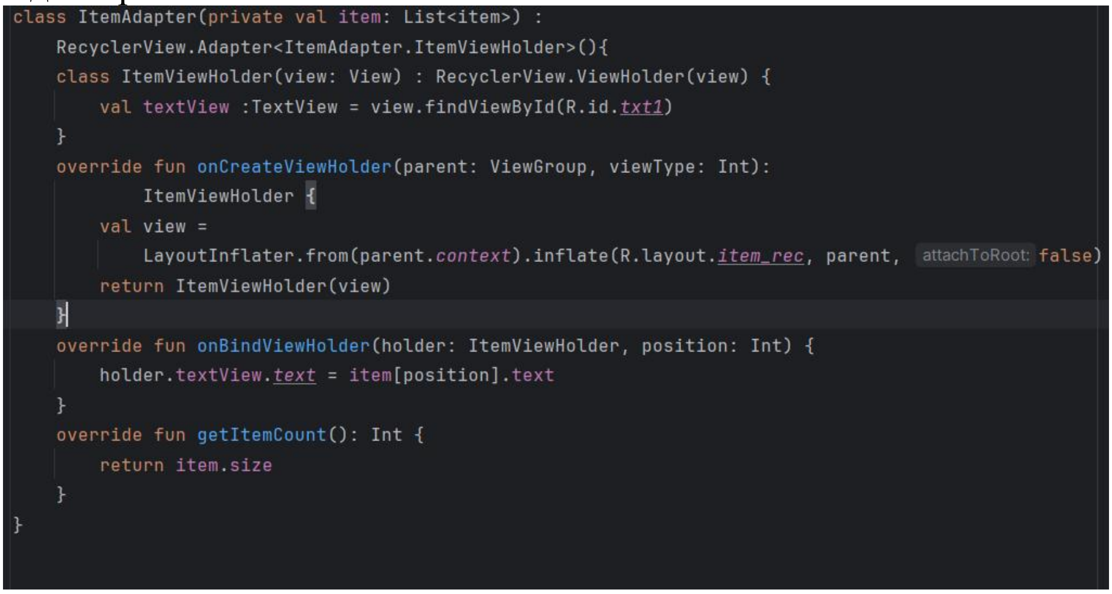
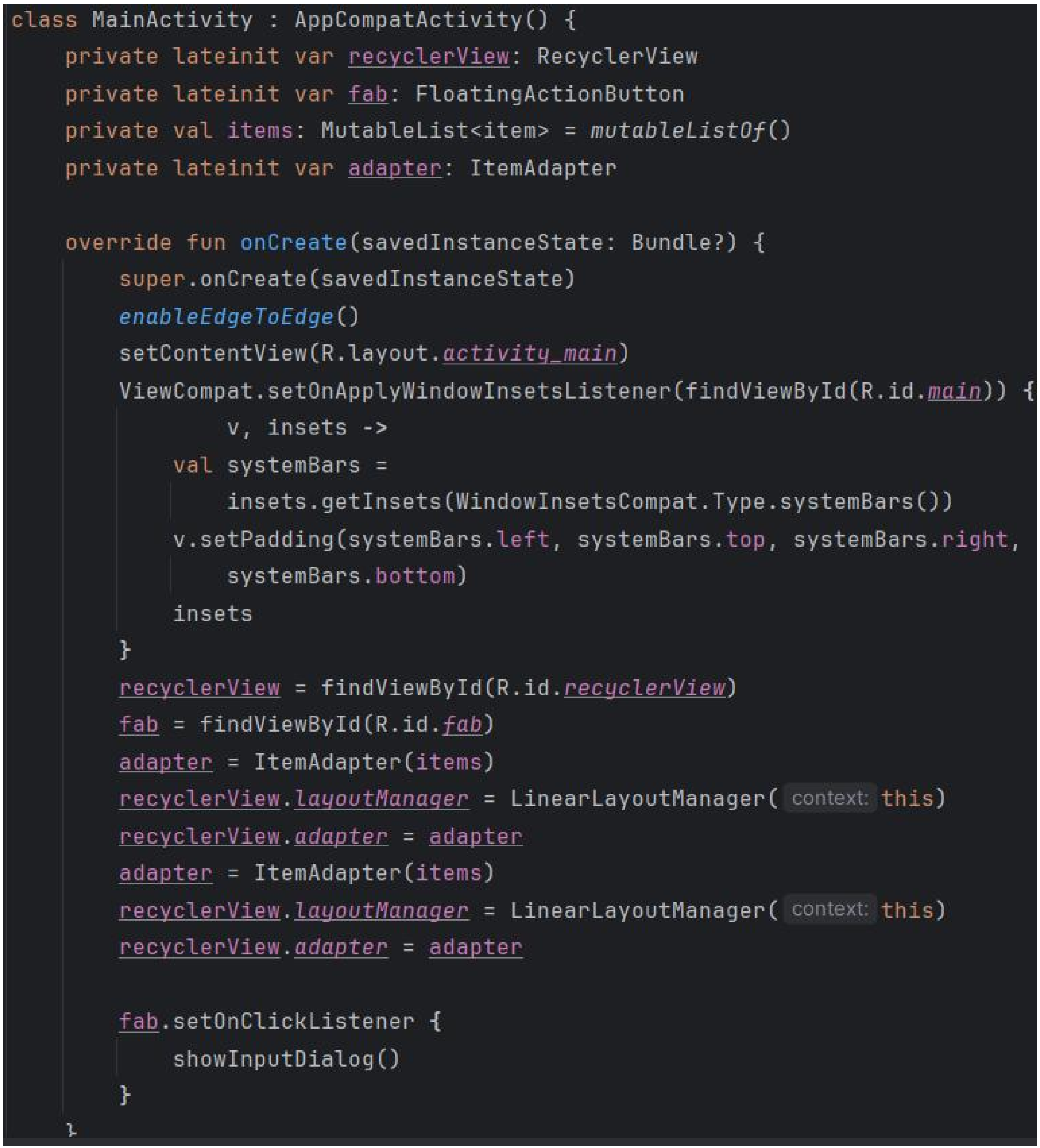
Адаптер:



```
class ItemAdapter(private val item: List<item>) :
    RecyclerView.Adapter<ItemAdapter.ItemViewHolder>(){
    class ItemViewHolder(view: View) : RecyclerView.ViewHolder(view) {
        val textView :TextView = view.findViewById(R.id.txt1)
    }
    override fun onCreateViewHolder(parent: ViewGroup, viewType: Int):
            ItemViewHolder {
        val view =
            LayoutInflater.from(parent.context).inflate(R.layout.item_rec, parent, attachToRoot: false)
        return ItemViewHolder(view)
    }
    override fun onBindViewHolder(holder: ItemViewHolder, position: Int) {
        holder.textView.text = item[position].text
    }
    override fun getItemCount(): Int {
        return item.size
    }
}
```

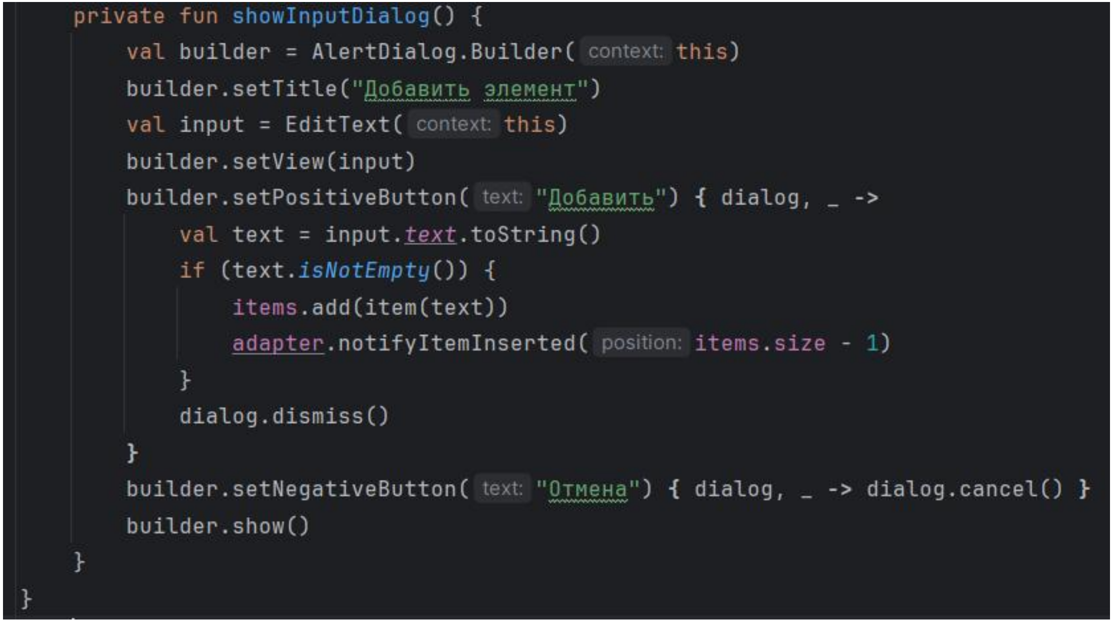
MainActivity:



```
class MainActivity : AppCompatActivity() {
    private lateinit var recyclerView: RecyclerView
    private lateinit var fab: FloatingActionButton
    private val items: MutableList<item> = mutableListOf()
    private lateinit var adapter: ItemAdapter

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_main)
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) {
                v, insets ->
            val systemBars =
                insets.getInsets(WindowInsetsCompat.Type.systemBars())
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
                systemBars.bottom)
            insets
        }
        recyclerView = findViewById(R.id.recyclerView)
        fab = findViewById(R.id.fab)
        adapter = ItemAdapter(items)
        recyclerView.layoutManager = LinearLayoutManager( context: this)
        recyclerView.adapter = adapter
        adapter = ItemAdapter(items)
        recyclerView.layoutManager = LinearLayoutManager( context: this)
        recyclerView.adapter = adapter

        fab.setOnClickListener {
            showInputDialog()
        }
    }
```



```
    private fun showInputDialog() {
        val builder = AlertDialog.Builder( context: this)
        builder.setTitle("Добавить элемент")
        val input = EditText( context: this)
        builder.setView(input)
        builder.setPositiveButton( text: "Добавить") { dialog, _ ->
            val text = input.text.toString()
            if (text.isNotEmpty()) {
                items.add(item(text))
                adapter.notifyItemInserted( position: items.size - 1)
            }
            dialog.dismiss()
        }
        builder.setNegativeButton( text: "Отмена") { dialog, _ -> dialog.cancel() }
        builder.show()
    }
}
```