## Mainactivity

```
A6
▷ ∨ class MainActivity : AppCompatActivity() {
          private lateinit var <u>fab</u>: FloatingActionButton
          private val items: MutableList<Item> = mutableListOf()
          private lateinit var <u>adapter</u>: ItemAdapter
               super.onCreate(savedInstanceState)
               setContentView(R.layout.activity_main)
              recyclerView = findViewById(R.id.recyclerView)
               fab = findViewById(R.id.fab)
               adapter = ItemAdapter(items)
               \underline{recycler View}. \underline{layout \textit{Manager}} = \texttt{LinearLayout Manager}( \ \texttt{context: this})
                   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.<u>text</u>.toString()
                   if (text.isNotEmpty()) {
                       adapter.notifyItemInserted( position: items.size - 1)
                   dialog.dismiss()
               builder.setNegativeButton( text: "OTMEHA") { dialog, _ -> dialog.cancel() }
```

Itemadapter

```
import ...

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
}

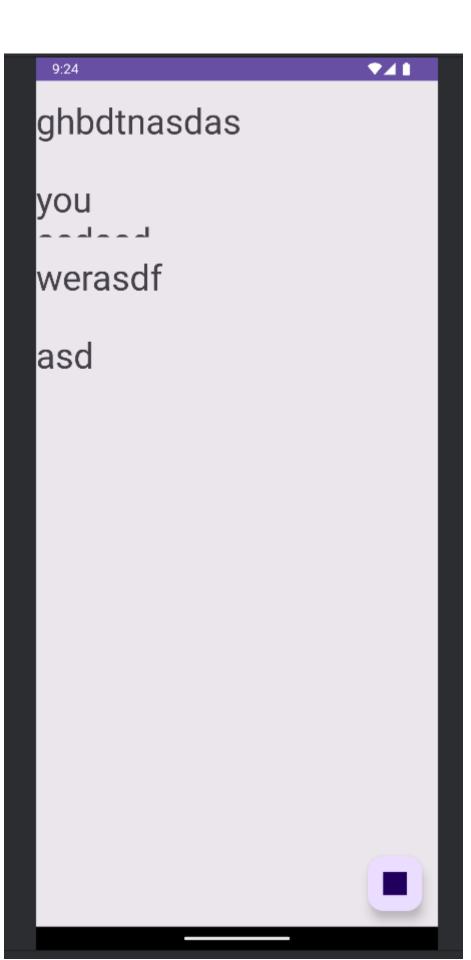
}
```

## Item

```
package com.example.pract14
data class Item( val text: String)
```

```
<androidx.constraintlayout.widget.ConstraintLayout</p>
 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:layout_width="match_parent"
   android:layout_height="wrap_content">
   <TextView
       android:id="@+id/txt1"
        android:layout_width="0dp"
        android:layout_height="64dp"
        android:layout_marginTop="16dp"
        android:text="test"
        android:textSize="36sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
<?xml version="1.0" encoding="utf-8"?>
       <pelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
           android:layout_width="match_parent"
           android:layout_height="match_parent"
           android:id="@+id/main">
           <androidx.recyclerview.widget.RecyclerView</pre>
               android:id="@+id/recyclerView"
               android:layout_width="match_parent"
               android:layout_height="match_parent"/>
           <com.google.android.material.floatingactionbutton.FloatingActionButton</pre>
               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"
19 🖾
               android:src="@drawable/img" />
       </RelativeLayout>
```



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