```
√> activity_main.xml

√ item_rec.xml

                                        RainActivity.kt
                                                            🕞 ltemAdapter.kt
       <?xml version="1.0" encoding="utf-8"?>
       <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
           android:layout_width="match_parent"
           android:layout_height="match_parent"
           android:id="@+id/main">
           <ImageView
               android:layout_width="match_parent"
               android:layout_height="match_parent"
  android:background="#FCC1FF"/>
           <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="0+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/baseline_add_24" />
       </RelativeLayout>
```

```
Q MainActivity.kt x (Q ItemAdapter.kt
</> activity_main.xml
                         item_rec.xml
15
            class MainActivity : AppCompatActivity() {
21
             override fun onCreate(savedInstanceState: Bundle?) {
23
          enableEdgeToEdge()
          setContentView (R . layout . activitq_main)
24
25
          ViewCompat.
                              id.main)) {
26
                           v, insets
          val systemBars =
27
28
          insets . getInsets (WindowInsetsCompat . Type . systemBars ( ) )
          v. setPadding(systemBars.left, systemBars. top, systemBars. right, systemBars . bottom)
29
31
                      insets
32
33
          recyclerView - findViewById(R.id.recgclerView) 34
                                                                        fab -
findViewById(R. id.fgb)
          adapter - ItemAdapter(items)
35
          recyclerView. lagoutManager = LinearLayoutManager( context: this)
36
37
          recyclerView . adapter - adapter
38
          adapter - ItemAdapter(items)
          recyclerView. layoutManager = LinearLayoutManager( context: this)
39
                  recyclerView . adapter - adapter
41
          44 private fun showInputDialog() { 46 val
              builder = AlertDialog. Builder(
              context: this)
          builder. set aneMeHT")
47
          val input = Edit Text( context: this) builder . setView (input) 53
48
                    builder. setPositiveButton( text: "L106aBMTb") {
                  dialog, \_ 51 val text - input. text . toString() 52 if
                  (text.isNotEmpty()) {
          items . gggßerror (text) ) 54 adapter. notifyltemInserted( position: items. size 1)
53
55
56
                         dialog. dismiss O
                        builder. setNegativeButton( text: "OTMeHa") { dialog, _
58
                                                                                  dialog. cancel()
59
                 builder. show()
63
```

```
override fun onBindViewHolder(holder: ItemViewHolder, position: Int) {

holder.textView.text = item[position].routeId

verride fun getItemCount(): Int {

return item.size
}

}
```



