

Практика №8.

```
1 package com.example.recycleview
2
3 > import ...
10
11 class MainActivity : AppCompatActivity() {
12     private lateinit var recyclerView : RecyclerView
13     private lateinit var newList : ArrayList<DataClass>
14     private lateinit var imageId : Array<Int>
15     private lateinit var textId : Array<String>
16     private lateinit var textBonkId : Array<String>
17
18     override fun onCreate(savedInstanceState: Bundle?) {
19         super.onCreate(savedInstanceState)
20         enableEdgeToEdge()
21         setContentView(R.layout.activity_main)
22         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
23             val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
24             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
25             insets
26         }
27         imageId = arrayOf(
28             R.drawable.archi,
29             R.drawable.deli,
30             R.drawable.vega,
31             R.drawable.d,
32             R.drawable.a,
33             R.drawable.b,
34             R.drawable.c,
35             R.drawable.g,
36             R.drawable.h,
37             R.drawable.i,
38         )
39         textId = resources.getStringArray(R.array.porodi_cat)
40         textBonkId = resources.getStringArray(R.array.opisanie_cat)
41         recyclerView = findViewById(R.id.recycleView)
42         recyclerView.layoutManager = LinearLayoutManager(context, this)
43         recyclerView.setHasFixedSize(true)
44         newList = arrayListOf<DataClass>()
45         getUserdata()
46     }
47
48
49
50
51     private fun getUserdata() {
52         for (i in imageId.indices)
53         {
54             val data = DataClass(imageId[i],textId[i],textBonkId[i])
55             newList.add(data)
56         }
57         recyclerView.adapter = MyAdapter(newList)
58     }
59 }
```

```
MainActivity.kt  activity_main.xml  list_item.xml  MyAdapter.kt  Data.kt  st
1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx.constraintlayout.widget.ConstraintLayout
3      xmlns:android="http://schemas.android.com/apk/res/android"
4      xmlns:app="http://schemas.android.com/apk/res-auto"
5      xmlns:tools="http://schemas.android.com/tools"
6      android:id="@+id/main"
7      android:layout_width="match_parent"
8      android:layout_height="match_parent"
9      tools:context=".MainActivity">
10     <ImageView
11         android:background="@drawable/q"
12         android:layout_width="wrap_content"
13         android:layout_height="wrap_content"/>
14     <androidx.recyclerview.widget.RecyclerView
15         android:id="@+id/recyclerView"
16         android:layout_width="match_parent"
17         android:layout_height="match_parent"/>
18
19 </androidx.constraintlayout.widget.ConstraintLayout>
```

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MainActivity.kt  activity_main.xml  list_item.xml  MyAdapter.kt  Data.kt  st  ⚠
1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx.constraintlayout.widget.ConstraintLayout
3      xmlns:android="http://schemas.android.com/apk/res/android"
4      xmlns:app="http://schemas.android.com/apk/res-auto"
5      xmlns:tools="http://schemas.android.com/tools"
6      android:layout_width="match_parent"
7      android:layout_height="wrap_content"
8      android:padding="8dp">
9     <com.google.android.material.imageview.ShapeableImageView
10         android:id="@+id/imageItem"
11         android:layout_width="80dp"
12         android:layout_height="80dp"
13         android:src="@drawable/archi"
14         app:layout_constraintStart_toStartOf="parent"
15         app:layout_constraintTop_toTopOf="parent" />
16     <TextView
17         android:id="@+id/txtItem"
18         android:layout_width="0dp"
19         android:layout_height="wrap_content"
20         android:text="Арчик "
21         android:layout_marginStart="20dp"
22         android:textColor="@color/black"
23         android:textSize="16sp"
24         android:textStyle="bold"
25         app:layout_constraintEnd_toEndOf="parent"
26         app:layout_constraintStart_toEndOf="@+id/imageItem"
27         app:layout_constraintTop_toTopOf="parent" />
28     <TextView
```

```

28         <TextView
29             android:id="@+id/txtBonk"
30             android:layout_width="0dp"
31             android:layout_height="wrap_content"
32             android:layout_marginStart="20dp"
33             android:layout_marginTop="48dp"
34             android:text="Самый крutoй пёсик:) "
35             android:textColor="@color/black"
36             android:textSize="16sp"
37             android:textStyle="bold"
38             app:layout_constraintEnd_toEndOf="parent"
39             app:layout_constraintHorizontal_bias="0.0"
40             app:layout_constraintStart_toEndOf="@+id/imageItem"
41             app:layout_constraintTop_toTopOf="parent" />
42     </androidx.constraintlayout.widget.ConstraintLayout>

```

```

MainActivity.kt  activity_main.xml  list_item.xml  MyAdapter.kt  Data.kt  strings.xml
1  package com.example.recyclerview
2
3  > import ...
11
12  class MyAdapter(private val newList : ArrayList<DataClass>) : RecyclerView.Adapter<MyAdapter.MyViewHolder>() {
13      override fun onCreateViewHolder(parent: ViewGroup, viewType: Int):
14          MyViewHolder {
15              val itemView =
16                  LayoutInflater.from(parent.context).inflate(R.layout.list_item,
17                      parent, attachToRoot: false)
18              return MyViewHolder(itemView)
19          }
20      override fun getItemCount(): Int {
21          return newList.size
22      }
23      override fun onBindViewHolder(holder: MyViewHolder, position: Int) {
24          val currentItem = newList[position]
25          holder.imageView.setImageResource(currentItem.titleImage)
26          holder.txtHead.text = currentItem.heading
27          holder.txtBonk.text = currentItem.bonktxt
28      }
29      class MyViewHolder(itemView: View) : RecyclerView.ViewHolder(itemView) {
30          val imageView : ShapeableImageView =
31              itemView.findViewById(R.id.imageItem)
32          val txtHead : TextView = itemView.findViewById(R.id.txtItem)
33          val txtBonk : TextView = itemView.findViewById(R.id.txtBonk)
34      }
35
36
37  }

```

```

MainActivity.kt  activity_main.xml  list_item.xml  MyAdapter.kt  Data.kt  strings.xml
1  package com.example.recyclerview
2
3  data class DataClass(var titleImage : Int , var heading : String ,var bonktxt
4  : String)

```

```

1  <resources>
2      <string name="app_name">Practice8</string>
3      <string-array name="porodi_cat">
4          <item>Арчи-Арчибалт дворяжка</item>
5          <item>Дели-Восточно-Европейская овчарка</item>
6          <item>Вега-дочь Арчи и Дели :/</item>
7          <item>Немецкий дог</item>
8          <item>Кокер Спаниель</item>
9          <item>Волкособ</item>
10         <item>Самоед</item>
11         <item>Маламут</item>
12         <item>Корги</item>
13         <item>Сенбернар</item>
14     </string-array>
15
16     <string-array name="opisanie_cat">
17         <item>Мой любимый пёсик, временами чумачечий</item>
18         <item>Была чёкнутой сеёчас стала адекватной</item>
19         <item>Тут лучше промолчу...</item>
20         <item>Просто мечта, огромный добри пёс</item>
21         <item>Просто мили</item>
22         <item>Ну волк</item>
23         <item>Комок пуха</item>
24         <item>Что-то мутит</item>
25         <item>Мини овчарка</item>
26         <item>Крутой тип</item>
27     </string-array>
28 </resources>

```

Результат:

