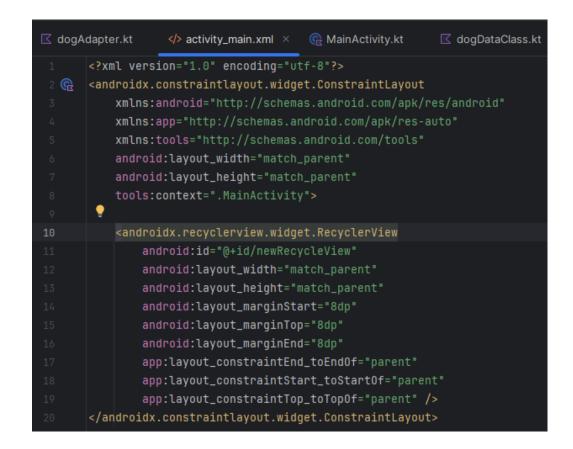
ПРАКТИЧЕСКАЯ РАБОТА №8

1. activity_main.xml:



2. list_item.xml: для дизайна элемента списка.

```
activity_main.xml

    ■ dogAdapter.kt

√> dog_item.xml ×

                                                           @ MainActivity.
      <?xml version="1.0" encoding="utf-8"?>
      <androidx.constraintlayout.widget.ConstraintLayout</pre>
          xmlns:android="http://schemas.android.com/apk/res/android"
          xmlns:app="http://schemas.android.com/apk/res-auto"
          android:layout_width="match_parent"
          android:layout_height="wrap_content"
          android:padding="8dp">
          <com.google.android.material.imageview.ShapeableImageView
              android:id="@+id/imageDog"
              android:layout_width="80dp"
              android:layout_height="80dp"
              app:layout_constraintStart_toStartOf="parent"
              app:layout_constraintTop_toTopOf="parent" />
              android:id="@+id/txtTitle"
              android:layout_width="0dp"
              android:layout_height="wrap_content"
              android:layout_marginStart="20dp"
              android:textColor="@color/black"
              android:textSize="16sp"
              android:textStyle="bold"
              app:layout_constraintEnd_toEndOf="parent"
              app:layout_constraintStart_toEndOf="@+id/imageDog"
              app:layout_constraintTop_toTopOf="parent" />
              android:id="@+id/txtDescription"
              android:layout_width="0dp"
              android:layout_height="wrap_content"
              android:layout_marginStart="20dp"
              android:layout_marginTop="8dp"
              android:text="Описание собаки"
              android:textColor="@color/black"
              android:textSize="14sp"
              app:layout_constraintEnd_toEndOf="parent"
              app:layout_constraintStart_toEndOf="@+id/imageDog"
              app:layout_constraintTop_toBottomOf="@+id/txtTitle" />
      </androidx.constraintlayout.widget.ConstraintLayout>
```

3. data class:

```
Adapter.kt 🛮 dogDataClass.kt × 🎶 dog_item.xml 🔑 activity_main.xml 👊 MainActivity.kt 🔍
```

4. adapter:

```
import | ...

class DogAdapter(private val dogList: ArrayList<DogDataClass>) :
    RecyclerView.Adapter<DogAdapter.DogViewHolder>() {
        override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): DogViewHolder {
            val itemView = LayoutInflater.from(parent.context).inflate(R.layout.dog_item, parent, attachToRoot_false)
            return DogViewHolder(itemView)
      }
      override fun onBindViewHolder(holder: DogViewHolder, position: Int) {
            return dogList.size
      }
      override fun onBindViewHolder(holder: DogViewHolder, position: Int) {
            val currentItem = dogList[position]
            holder.imageView.setImageResource(currentItem.imageResource)
            holder.txtTitle.fext = currentItem.title
            holder.txtDescription.text = currentItem.description
            holder.itemView.setOnClickListener {
                  Toast.makeText(holder.itemView.context, text "Bb Hawann Ha ${currentItem.title}", Toast.LENGTH_SHORT).show()
      }
    }
    class DogViewHolder(itemView: View) : RecyclerView.ViewHolder(itemView) {
        val imageView: ShapeableImageView = itemView.findViewById(R.id.imageDog)
        val txtTitle: TextView = itemView.findViewById(R.id.txtDescription)
    }
}
```

5.MainActicity.kt

```
c@ass MainActivity : AppCompatActivity() {
    private lateinit var recyclerView: RecyclerView
    private lateinit var dogArrayList: ArrayList<DogDataClass>
    private lateinit var imageIds: Array<Int>
    private lateinit var titles: Array<String>
    private lateinit var descriptions: Array<String>
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        recyclerView = findViewById(R.id.newRecycleView)
        recyclerView.layoutManager = LinearLayoutManager( context: this)
        recyclerView.setHasFixedSize(true)
        \underline{imageIds} = array0f(R.drawable.\underline{fon1}, R.drawable.\underline{fon2}, R.drawable.\underline{fon3})
        titles = resources.getStringArray(R.array.dog_titles)
        descriptions = resources.getStringArray(R.array.dog_descriptions)
        dogArrayList = arrayListOf()
        getDogData()
        recyclerView.adapter = DogAdapter(dogArrayList)
    private fun getDogData() {
            val dog = DogDataClass(imageIds[i], titles[i], descriptions[i])
            dogArrayList.add(dog)
```

6. Работа приложения

