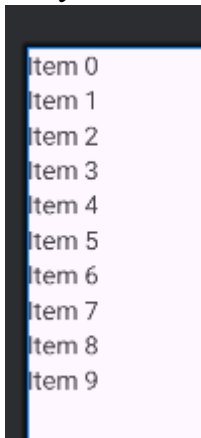


Практическая работа 8. Духаниной Яна ИС222

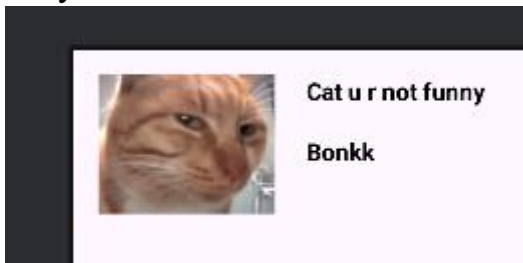
```
tools:context=".MainActivity">  
  
<androidx.recyclerview.widget.RecyclerView  
    android:id="@+id/recycleView"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
/>
```

- 1.
2. Результат:



Item 0
Item 1
Item 2
Item 3
Item 4
Item 5
Item 6
Item 7
Item 8
Item 9

3. Создала новый List_item.xml. Здесь написала код:
Результат:



```

<com.google.android.material.imageview.ShapeableImageView
    android:id="@+id/imageItem"
    android:layout_width="119dp"
    android:layout_height="93dp"
    android:layout_marginStart="8dp"
    android:layout_marginTop="8dp"
    android:src="@drawable/fon"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

```

```

<TextView
    android:id="@+id/txtItem"
    android:layout_width="170dp"
    android:layout_height="28dp"
    android:layout_marginStart="20dp"
    android:layout_marginTop="8dp"
    android:text="Cat u r not funny"
    android:textColor="@color/black"
    android:textSize="16sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toEndOf="@+id/imageItem"
    app:layout_constraintTop_toTopOf="parent" />

```

```

<TextView
    android:id="@+id/txtBonk"
    android:layout_width="128dp"
    android:layout_height="35dp"
    android:layout_marginStart="20dp"
    android:layout_marginTop="12dp"
    android:text="Bonkk ."
    android:textColor="@color/black"
    android:textSize="16sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toEndOf="@+id/imageItem"
    app:layout_constraintTop_toBottomOf="@id/txtItem" />

```

4. Написала код в MainActivity

```

class MainActivity : AppCompatActivity() {
    private lateinit var recyclerView: RecyclerView
    private lateinit var arrayList: ArrayList<DataClass>
    private lateinit var imageId: Array<Int>
    private lateinit var textId: Array<String>
    private lateinit var textBonkId: Array<String>

    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
        }
    }
}

```

```

imageId = arrayOf(
    R.drawable.fon,
    R.drawable.fon,
    R.drawable.fon,
    R.drawable.fon,
    R.drawable.fon,
    R.drawable.fon,
    R.drawable.fon,
    R.drawable.fon,
)

textId = resources.getStringArray(R.array.porodi_cat)
textBonkId = resources.getStringArray(R.array.opisanie_cat)

newRecyclerView = findViewById(R.id.RecycleView)
newRecyclerView.layoutManager = LinearLayoutManager(context: this)
newRecyclerView.setHasFixedSize(true)
newArrayList = arrayListOf<DataClass>()

getUserdata()

```

```

textId = resources.getStringArray(R.array.porodi_cat)
textBonkId = resources.getStringArray(R.array.opisanie_cat)

newRecyclerView = findViewById(R.id.RecycleView)
newRecyclerView.layoutManager = LinearLayoutManager(context: this)
newRecyclerView.setHasFixedSize(true)
newArrayList = arrayListOf<DataClass>()

getUserdata()

}

private fun getUserdata() {
    for (i in imageId.indices) {
        val data = DataClass(imageId[i], textId[i], textBonkId[i])
        newArrayList.add(data)
        Log.d(tag: "RecyclerView", msg: "Added data: imageId=${imageId[i]}, textId=${textId[i]}, textBonkId=${textBonkId[i]}")
    }
    newRecyclerView.adapter = Adapter(newArrayList)
}

```

5. Создала классы и написала в них функции

```

data class DataClass(
    var titleImage: Int, var heading: String, var bonktxt: String
)

```

```

class Adapter(private val newList: ArrayList<DataClass>) :
    RecyclerView.Adapter<Adapter.MyViewHolder>() {

    override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): MyViewHolder {
        val itemView =
            LayoutInflater.from(parent.context).inflate(R.layout.list_item, parent, attachToRoot: false)
        return MyViewHolder(itemView)
    }

    override fun getItemCount(): Int {
        return newList.size
    }

    override fun onBindViewHolder(holder: MyViewHolder, position: Int) {
        val currentItem = newList[position]
        holder.imageView.setImageResource(currentItem.titleImage)
        holder.txtHead.text = currentItem.heading
        holder.txtBonk.text = currentItem.bonktxt
        holder.itemView.setOnClickListener{
            if (position==0)
                Toast.makeText(holder.itemView.context, text: "Мы нажали на 1 элемент!",
                    Toast.LENGTH_SHORT).show()
        }
    }
}

class MyViewHolder(itemView: View) : RecyclerView.ViewHolder(itemView) {
    val imageView: ShapeableImageView =
        itemView.findViewById(R.id.imageItem)
    val txtHead: TextView = itemView.findViewById(R.id.txtItem)
    val txtBonk: TextView = itemView.findViewById(R.id.txtBonk)
}

```

6. Создала массив String.xml:

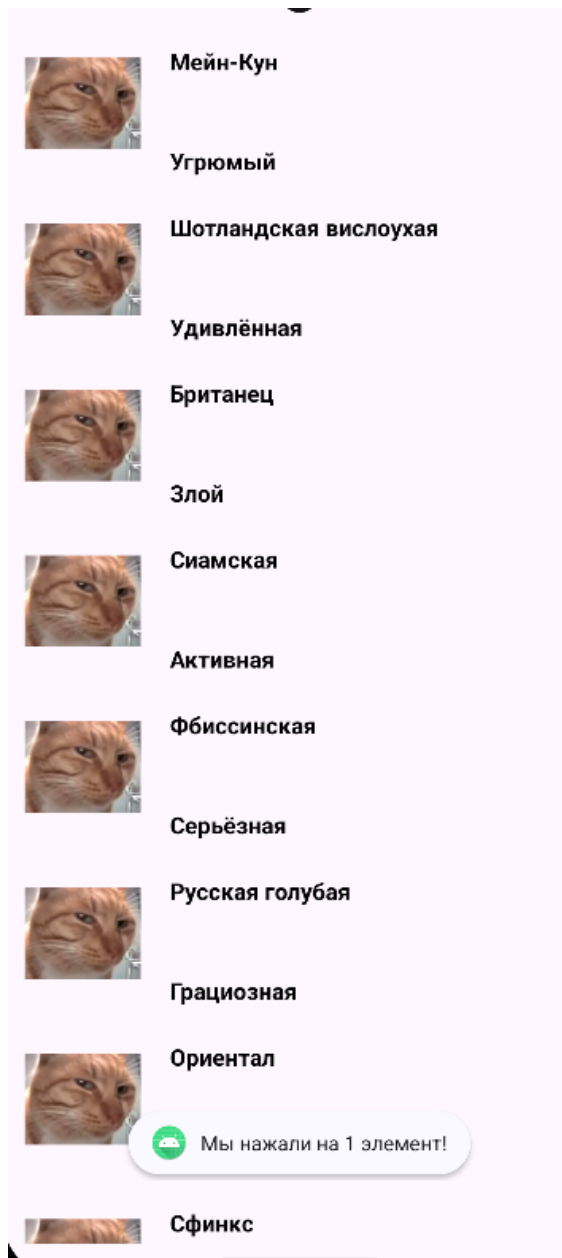
```

<string-array name="porodi_cat">
    <item>Мейн-Кун</item>
    <item>Шотландская вислоухая</item>
    <item>Британец</item>
    <item>Сиамская</item>
    <item>Фбиссинская</item>
    <item>Русская голубая</item>
    <item>Ориентал</item>
    <item>Сфинкс</item>
    <item>Сфинкс</item>
    <item>Сфинкс</item>
</string-array>

<string-array name="opisanie_cat">
    <item>Угрюмый</item>
    <item>Удивлённая</item>
    <item>Злой</item>
    <item>Активная</item>
    <item>Серьёзная</item>
    <item>Грациозная</item>
    <item>Смешная</item>
    <item>Лысая</item>
    <item>Лысая</item>
    <item>Лысая</item>
</string-array>

```

7. Результат:



8. Мой вариант приложения :

```

imageId = arrayOf(
    R.drawable.banan,
    R.drawable.apple,
    R.drawable.mandarin,
    R.drawable.pineapple,
    R.drawable.kiwi,
    R.drawable.watermelon,
    R.drawable.grape,
    R.drawable.hurmd,

```

9. Результат

8:31



Банан

Жёлтый



Яблоко

Зелёное



Мандарин

Оранжевый



Ананас

Жёлтый



Киви

Зелёное



Арбуз

Красный



Виноград



Мы нажали на 1 элемент!



Хурма