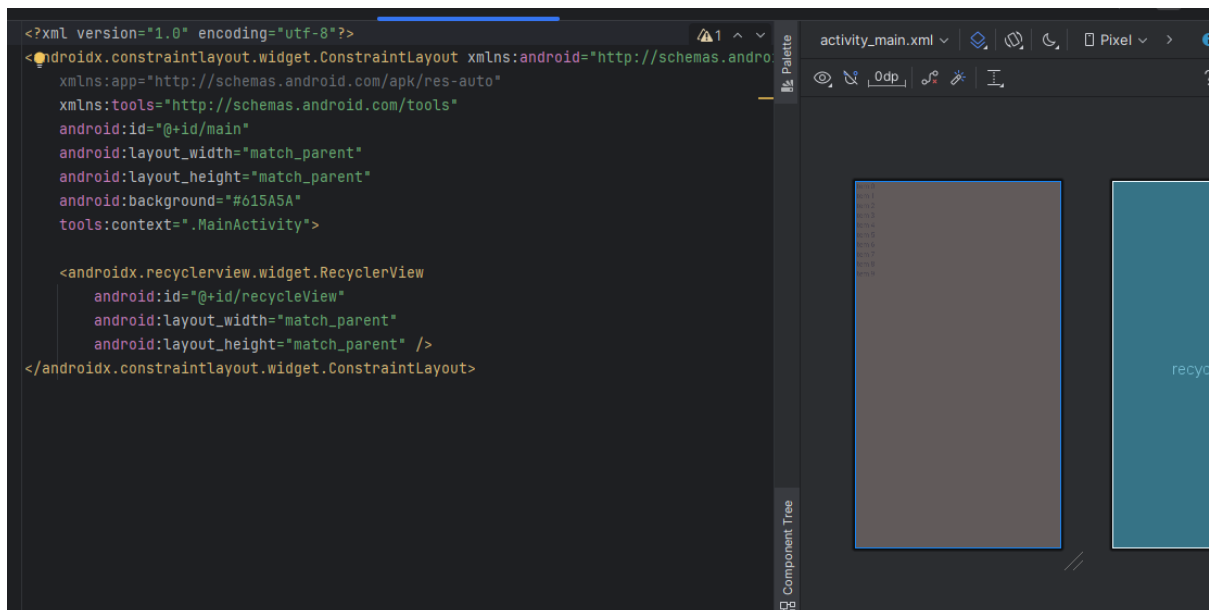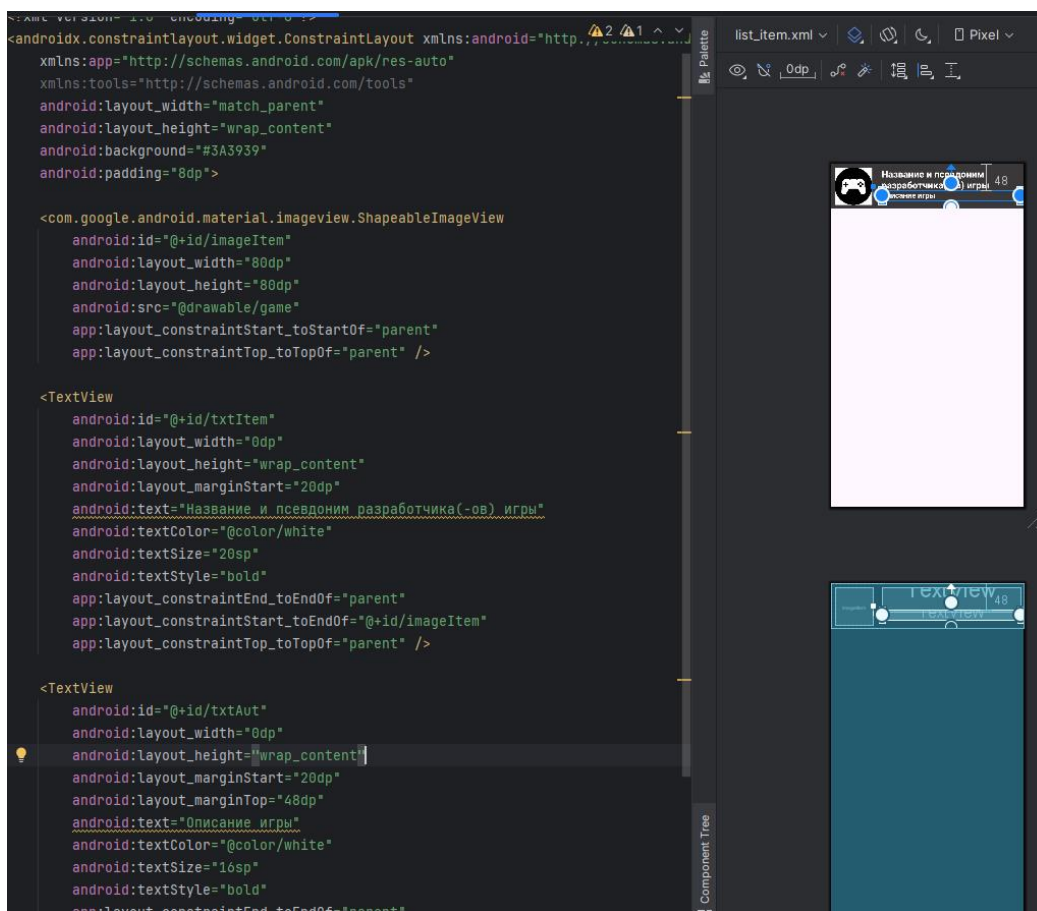# Лабораторная работа №8. Иванчук Вячеслав Сергеевич ИС221

Создаем RecyclerView

list_item.xml

MainActivity

```kotlin
class MainActivity : AppCompatActivity() {
    private lateinit var newRecycleView : RecyclerView
    private lateinit var newArrayList : ArrayList<DataClass>
    private lateinit var imageid : Array<Int>
    private lateinit var gameId : Array<String>
    private lateinit var developerId : Array<String>
    private lateinit var genreid: Array<String>
    private lateinit var MyAdapter: MyAdapter

    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.game,
            R.drawable.game,
            R.drawable.game,
            R.drawable.game,
            R.drawable.game,
            R.drawable.game,
            R.drawable.game,
            R.drawable.game,
            R.drawable.game,
            R.drawable.game
        )

        gameId = resources.getStringArray(R.array.game)
        developerId = resources.getStringArray(R.array.developer)
        genreid = resources.getStringArray(R.array.genre)
        newRecycleView = findViewById(R.id.recycleView)
        newRecycleView.layoutManager = LinearLayoutManager( context: this)
        newRecycleView.setHasFixedSize(true)
        newArrayList = arrayListOf<DataClass>()
        getUserdata()

        MyAdapter = MyAdapter(newArrayList)
```

```kotlin
            val intent = Intent( packageContext: this, item::class.java)
            intent.putExtra( name: "android", it)
            startActivity(intent)
        }
    }
    private fun getUserdata() {
        for (i in imageid.indices)
        {
            val data = DataClass(imageid[i],gameId[i],developerId[i], genreid[i])
            newArrayList.add(data)
        }
        newRecycleView.adapter = MyAdapter(newArrayList)
    }
```

MyAdapter

```kotlin
package com.example.recycl2

import ...

class MyAdapter (private val newList : ArrayList<DataClass>): RecyclerView.Adapt
{
    var onItemClick: ((DataClass) -> Unit)? = null
    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 curentItem = newList[position]
        holder.ImageView.setImageResource(curentItem.titleImage)
        holder.txtHead.text = curentItem.heading
        holder.txtBonk.text = curentItem.devtxt

        holder.itemView.setOnClickListener {
            onItemClick?.invoke(curentItem)
        }
    }

    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.txtAut)
    }
}
```

Результат