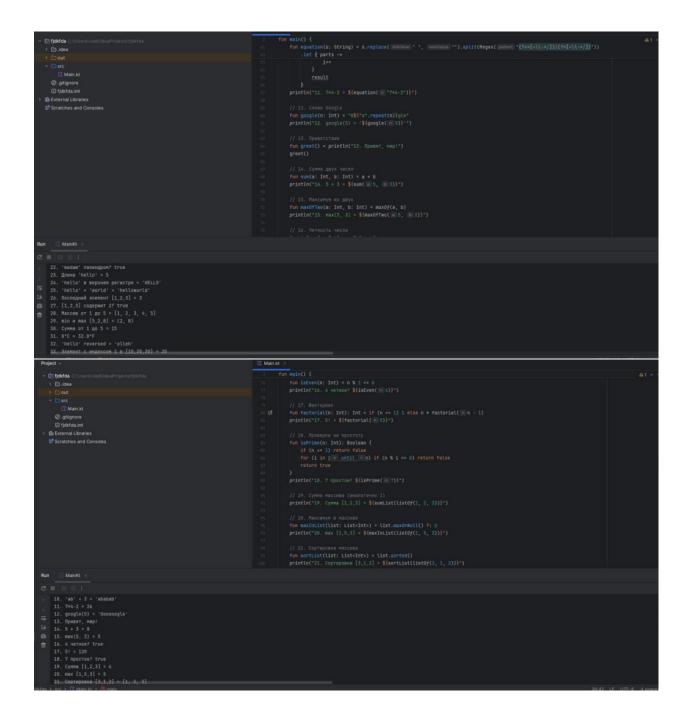
## Лабораторная работа №8

## Харахардин А. ИС233



```
Ø gitignore
☑ fjdidda.iml
⑥ External Libraries
☑ Scratches and Co
       Main() {
// 28. Coogame Maccess 1..N
// 10. Coogame Maccess 1..N
// Cooker (1... n).tolist()
println('28. Macces of 1 go 5 * $(createArray(n)5)}')
```

```
| → District Columnic Columns | District Columns |
```

```
fun diffMaxMin(list: List<Int>) = if (list.isEmpty()) 0 else list.max() -
    fun isProfitable(prob: Double, prize: Double, pay: Double) = prob * prize
> pay
repetition(txt, n - 1)
    println("10. 'ab' \times 3 = '\${repetition("ab", 3)}'")
    fun equation(s: String) = s.replace(" ", "").split(Regex("(?<=[+\\-</pre>
        .filter { it.isNotBlank() }
        .let { parts ->
            var result = parts[0].toInt()
            while (i < parts.size) {</pre>
```

```
"+" -> result += parts[++i].toInt()
                "*" -> result *= parts[++i].toInt()
                "/" -> result /= parts[++i].toInt()
println("11. 7*4-2 = \{equation("7*4-2")\}")
fun factorial(n: Int): Int = if (n <= 1) 1 else n * factorial(n - 1)</pre>
println("17. 5! = \{\{factorial(5)\}\}"\}
fun isPrime(n: Int): Boolean {
fun toUpper(s: String) = s.uppercase()
println("24. 'hello' в верхнем регистре = '${toUpper("hello")}'")
```

```
println("28. Массив от 1 до 5 = {createArray(5)}")
println("31. 0°C = \{celsiusToFahrenheit(0.0)\}°F")
println("32. 'hello' reversed = '${reverseString("hello")}'")
println("33. Элемент с индексом 1 в [10,20,30] = ${elementAt(listOf(10,
println("36. 'hello' содержит 'ell'? ${containsSubstring("hello",
fun printMultiplicationTable(n: Int) {
println("38. Длина 'test' = ${stringLength("test")}")
println("40. Копия [1,2,3] = \{copyList(listOf(1, 2, 3))\}")
```