Практическая работа № 7

Выполнили: Андрухова и Загородняя.

1.fun main() {

val stringList = mutableListOf<String>()

stringList.add("Первый элемент")

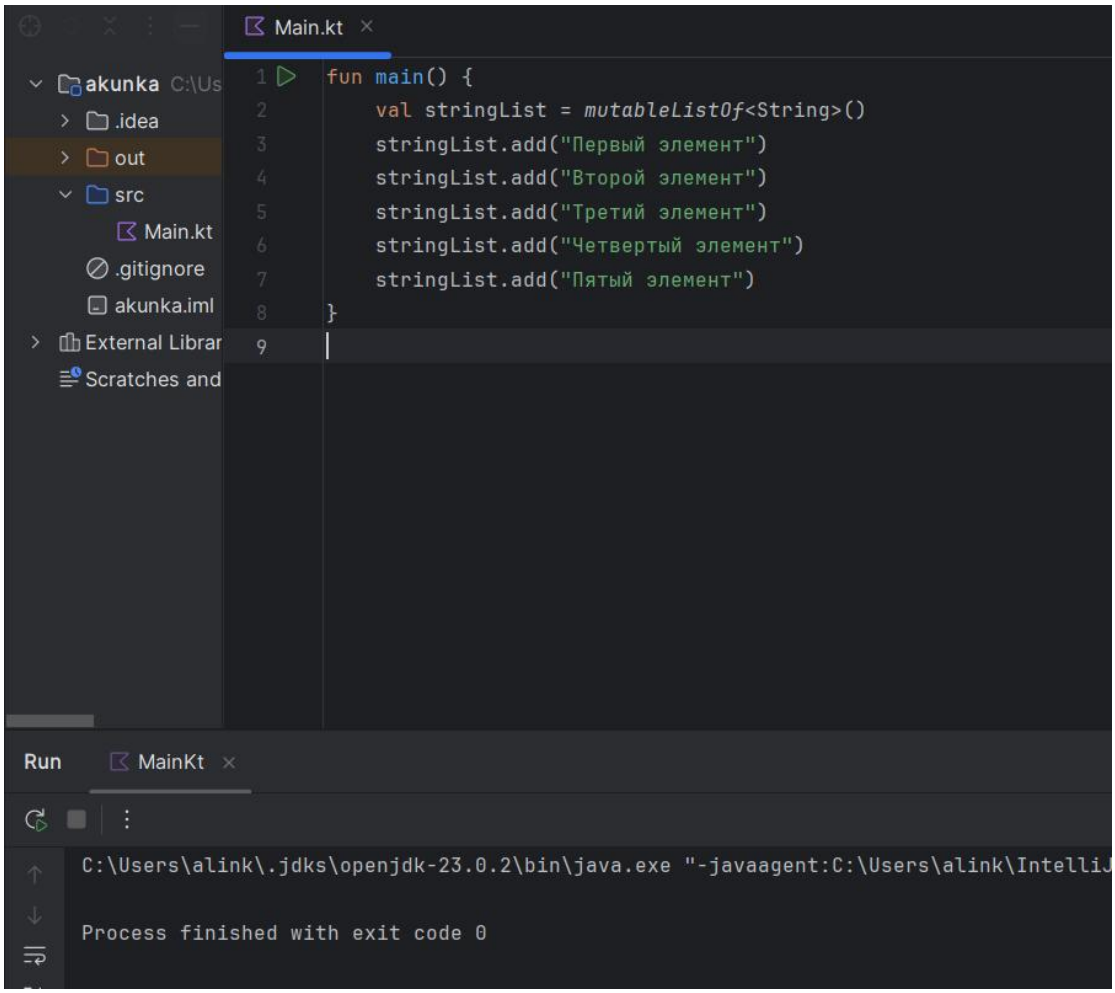
stringList.add("Второй элемент")

stringList.add("Третий элемент")

stringList.add("Четвертый элемент")

stringList.add("Пятый элемент")

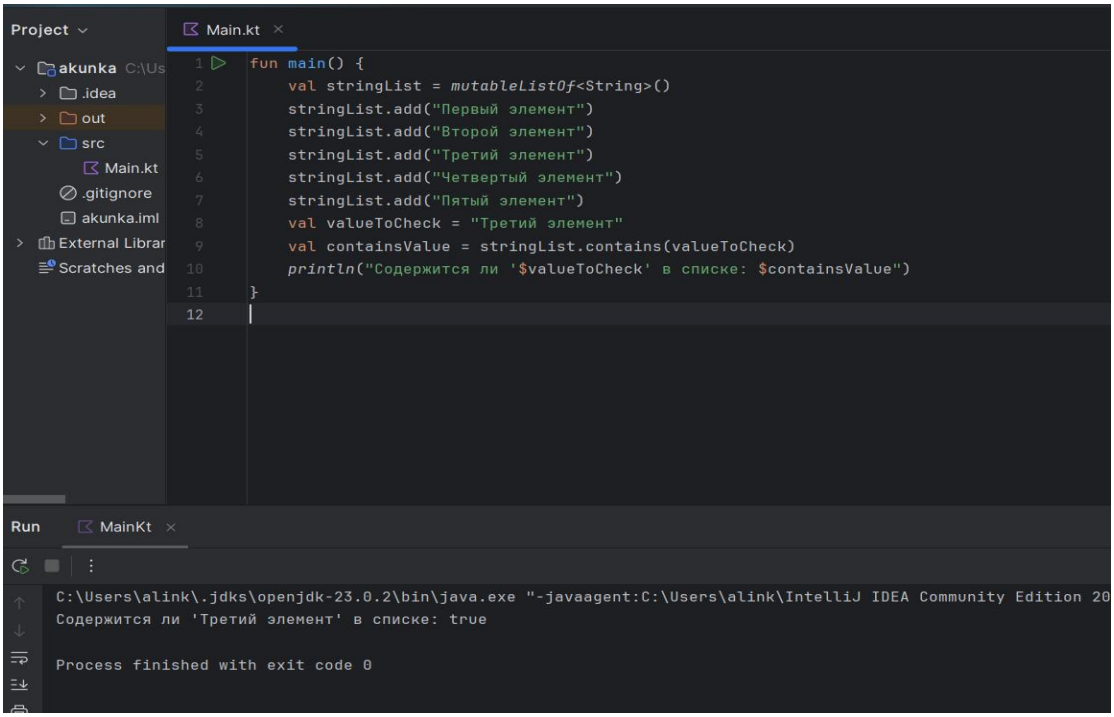
}



2. val valueToCheck = "Третий элемент"

val containsValue = stringList.contains(valueToCheck)

println("Содержится ли '$valueToCheck' в списке: $containsValue")



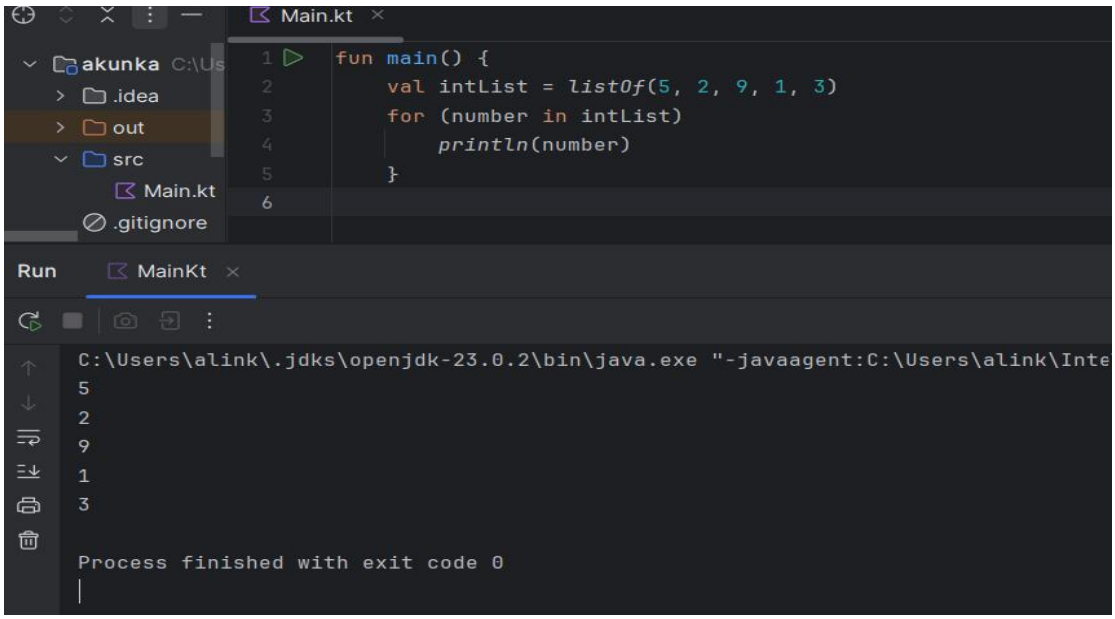
3.fun main() {

val intList = listOf(5, 2, 9, 1, 3)

for (number in intList)

    println(number)

}



4. fun main() {

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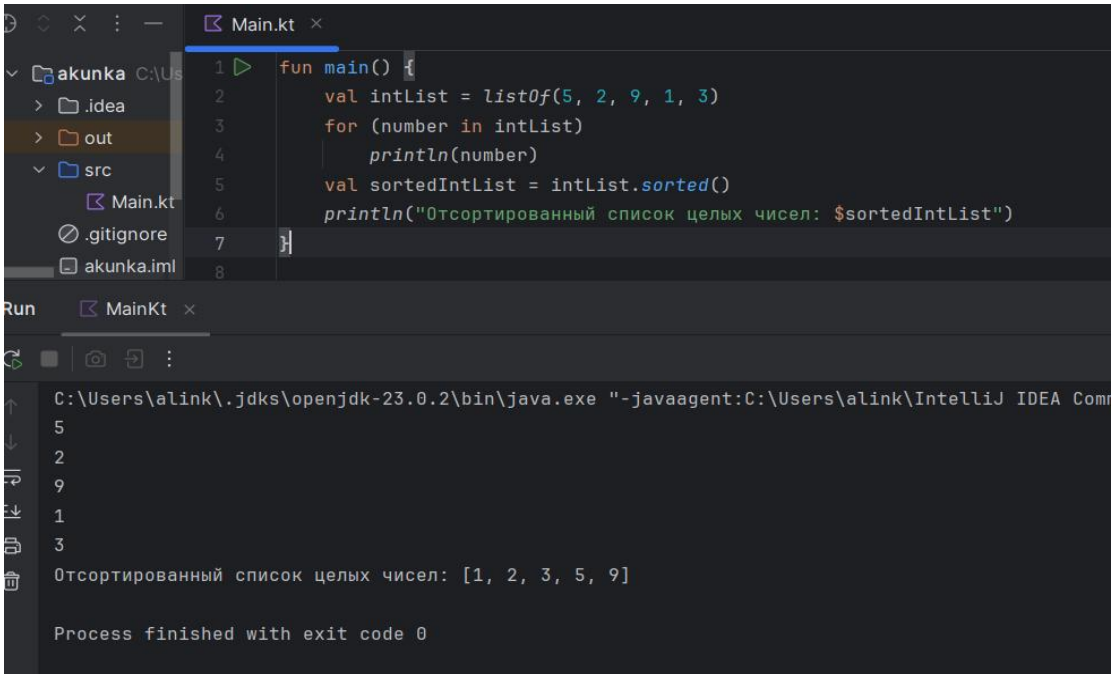
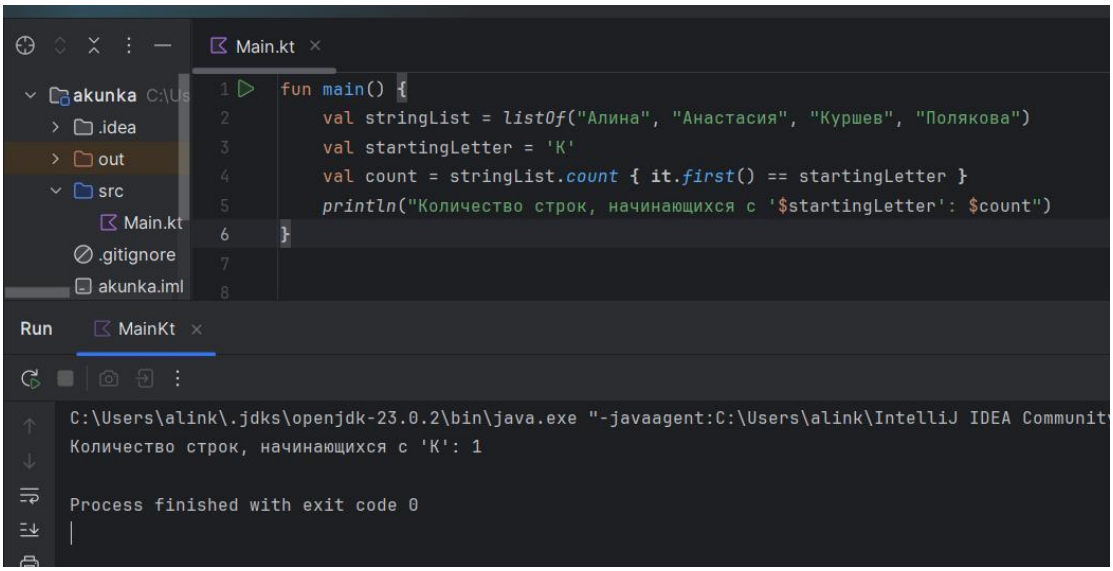
    val intList = listOf(5, 2, 9, 1, 3)
    for (number in intList)
        println(number)
    val sortedIntList = intList.sorted()
    println("Отсортированный список целых чисел: $sortedIntList")
}
```




```
5.fun main() {
    val intList = listOf(1, 2, 3, 4, 5, 6,7,8,9,10)
    val evenNumbers = intList.filter { it % 2 == 0 }
    println(evenNumbers)
}
```

6.fun main() {
    val stringList = listOf("Алина", "Анастасия", "Куршев", "Полякова")
    val startingLetter = 'К'
    val count = stringList.count { it.first() == startingLetter }
    println("Количество строк, начинающихся с '$startingLetter': $count")
}



7.fun main() {
    val intList = listOf(-1, 2, -3, 4, 5, -6, 23, 54, 32,-43)
    val modifiedList = intList.map {
        if (it > 0) -it else it
    }
    println(modifiedList)
}

8.fun main() {

val intList = listOf(10, 20, 30, 40, 52)

val squares = intList.map { it * it }

println(squares)

}