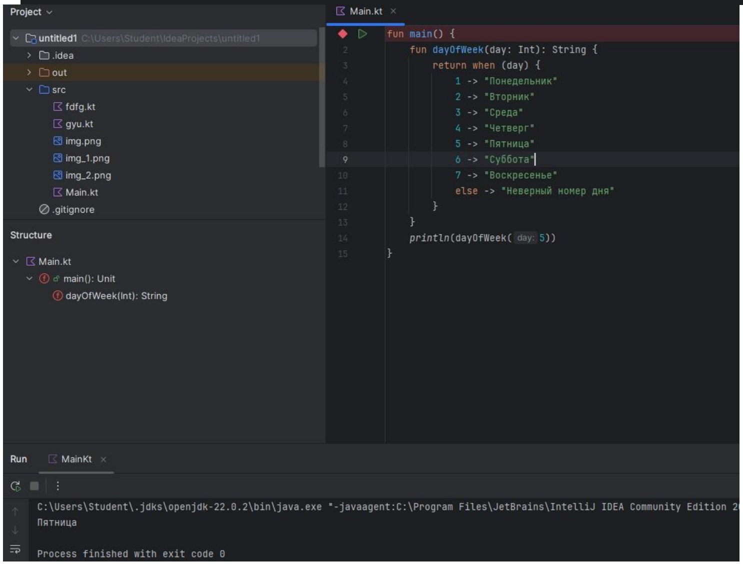
4laba

```
1. fun main() {      fun dayOfWeek(day:
   Int): String {          return when
   (day) {
   1  -> "Понедельник"
   2  -> "Вторник"
   3  -> "Среда"
   4  -> "Четверг"
   5  -> "Пятница"
   6  -> "Суббота"              7 -> "Воскресенье"
               else -> "Неверный номер дня"
           }
   }
       println(dayOfWeek(5))
   }
```

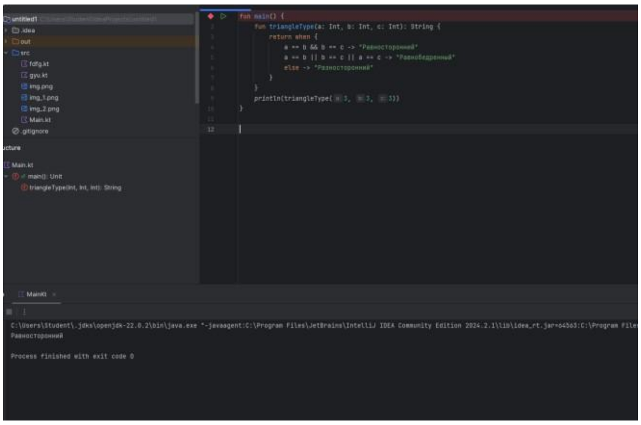


```
fun main() {
    fun dayOfWeek(day: Int): String {
        return when (day) {
            1 -> "Понедельник"
            2 -> "Вторник"
            3 -> "Среда"
            4 -> "Четверг"
            5 -> "Пятница"
            6 -> "Суббота"
            7 -> "Воскресенье"
            else -> "Неверный номер дня"
        }
    }
    println(dayOfWeek( day: 5))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2
Пятница

Process finished with exit code 0
```

```
2. fun main() {      fun triangleType(a: Int, b: Int, c:
   Int): String {          return when {
               a == b && b == c -> "Равносторонний"
   a == b || b == c || a == c -> "Равнобедренный"
   else -> "Разносторонний"
           }
   }
       println(triangleType(3, 3, 3))
   }
```

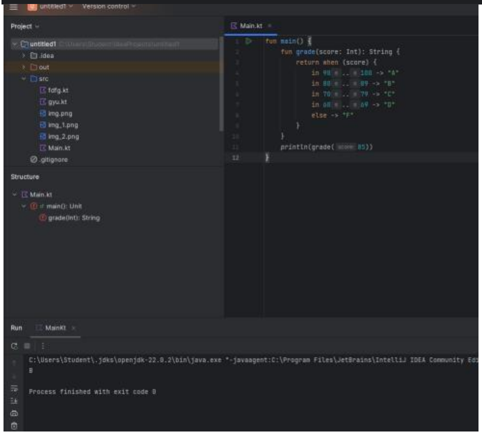


```
fun main() {
    fun triangleType(a: Int, b: Int, c: Int): String {
        return when {
            a == b && b == c -> "Равносторонний"
            a == b || b == c || a == c -> "Равнобедренный"
            else -> "Разносторонний"
        }
    }
    println(triangleType( a: 3,  b: 3,  c: 3))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib\idea_rt.jar=64563:C:\Program File
Равносторонний

Process finished with exit code 0
```

```
    3 fun main() {
    fun grade(score: Int): String
{          return when (score) {
in 90..100 -> "A"             in
80..89 -> "B"             in
70..79 -> "C"             in
60..69 -> "D"             else ->
"F"
        }
}
    println(grade(85))
}
```



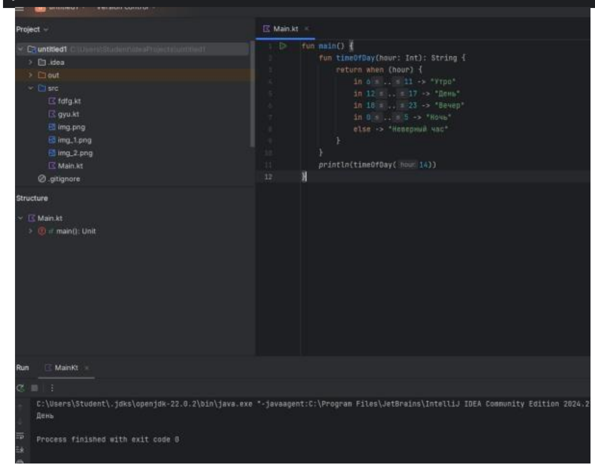
```
fun main() {
    fun grade(score: Int): String {
        return when (score) {
            in 90 .. 100 -> "A"
            in 80 .. 89 -> "B"
            in 70 .. 79 -> "C"
            in 60 .. 69 -> "D"
            else -> "F"
        }
    }
    println(grade( score: 85))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edi
B

Process finished with exit code 0
```

4.

```
    fun main() {
    fun timeOfDay(hour: Int): String
{          return when (hour) {
in 6..11 -> "Утро"             in
12..17 -> "День"             in
18..23 -> "Вечер"             in 0..5
-> "Ночь"             else ->
"Неверный час"
        }
}
    println(timeOfDay(14))
}
```

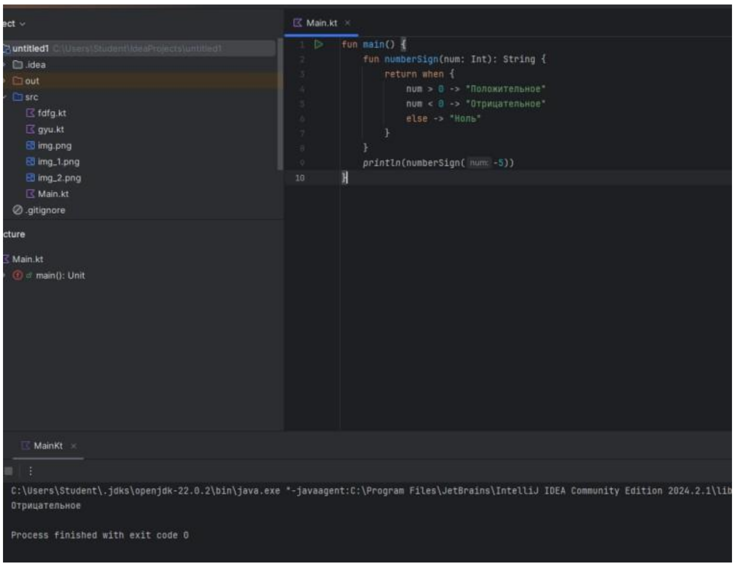


```
fun main() {
    fun timeOfDay(hour: Int): String {
        return when (hour) {
            in 6 .. 11 -> "Утро"
            in 12 .. 17 -> "День"
            in 18 .. 23 -> "Вечер"
            in 0 .. 5 -> "Ночь"
            else -> "Неверный час"
        }
    }
    println(timeOfDay( hour: 14))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.2
День

Process finished with exit code 0
```

```
5. fun main() {
    fun numberSign(num: Int): String {
return when {
            num > 0 -> "Положительное"
num < 0 -> "Отрицательное"
else -> "Ноль"
        }
}
    println(numberSign(-5))
}
```



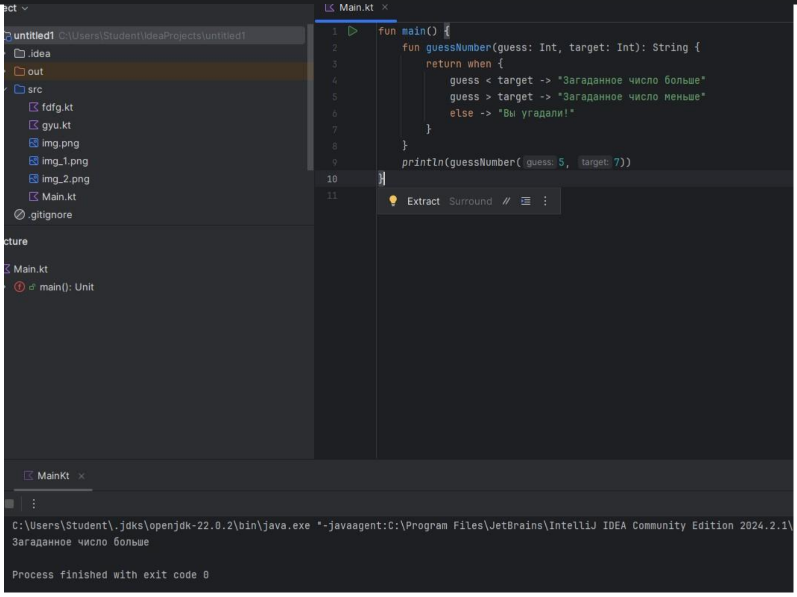
```
fun main() {
    fun numberSign(num: Int): String {
        return when {
            num > 0 -> "Положительное"
            num < 0 -> "Отрицательное"
            else -> "Ноль"
        }
    }
    println(numberSign(-5))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib
Отрицательное

Process finished with exit code 0
```

6.

```
fun main() {
    fun guessNumber(guess: Int, target: Int): String {
return when {
            guess < target -> "Загаданное число больше"
guess > target -> "Загаданное число меньше"
else -> "Вы угадали!"
        }
}
    println(guessNumber(5, 7))
}
```



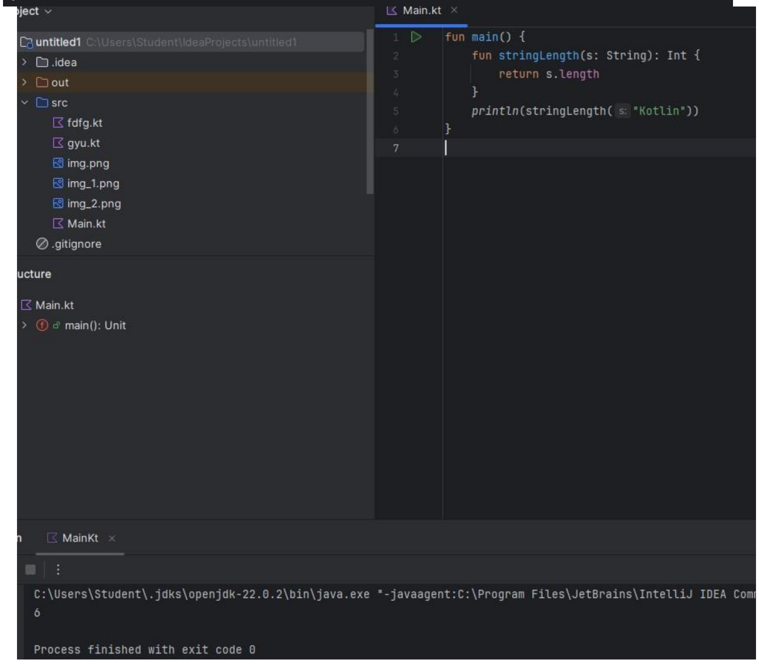
```
fun main() {
    fun guessNumber(guess: Int, target: Int): String {
        return when {
            guess < target -> "Загаданное число больше"
            guess > target -> "Загаданное число меньше"
            else -> "Вы угадали!"
        }
    }
    println(guessNumber(5, 7))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\
Загаданное число больше

Process finished with exit code 0
```

7.

```
fun main() {
    fun stringLength(s: String): Int {
return s.length
    }
    println(stringLength("Kotlin"))
}
```



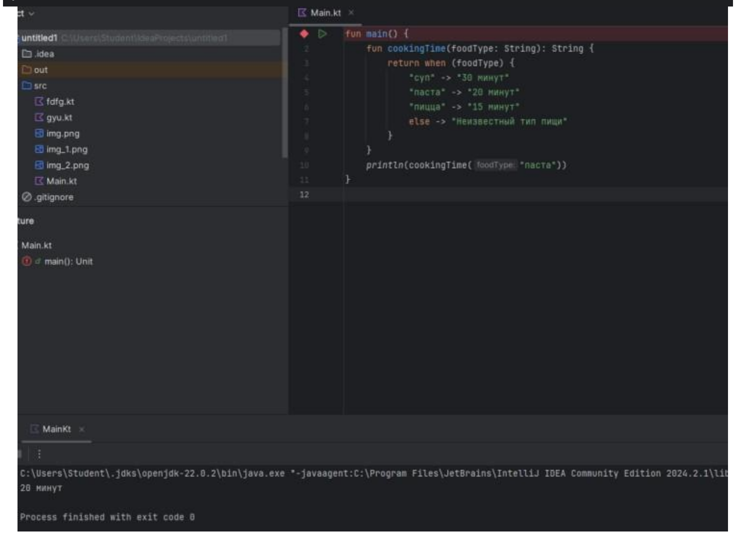
```
fun main() {
    fun stringLength(s: String): Int {
        return s.length
    }
    println(stringLength("Kotlin"))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Com
6

Process finished with exit code 0
```

8.

```
fun main() {
    fun cookingTime(foodType: String): String
{        return when (foodType) {
"суп" -> "30 минут"
            "паста" -> "20 минут"
"пицца" -> "15 минут"
            else -> "Неизвестный тип пищи"
        }
    }
    println(cookingTime("паста"))
}
```



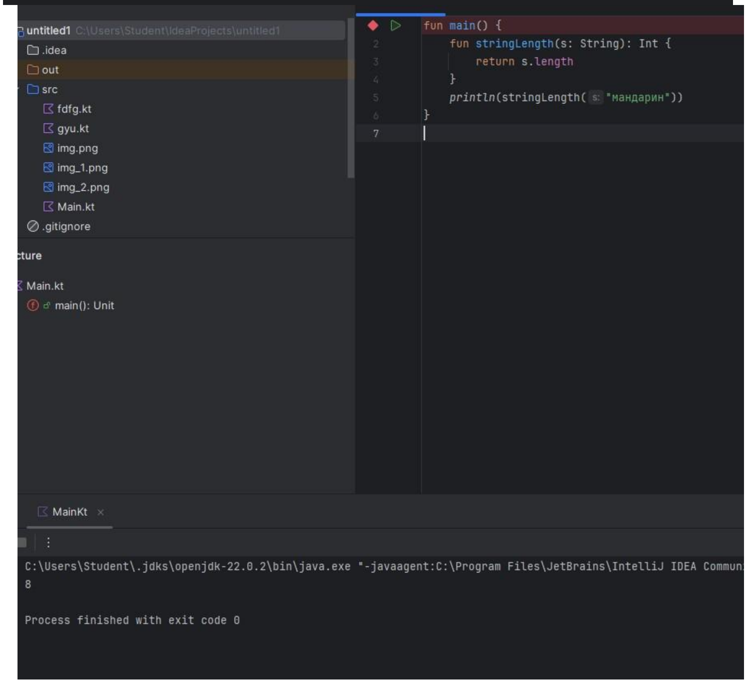
```
fun main() {
    fun cookingTime(foodType: String): String {
        return when (foodType) {
            "суп" -> "30 минут"
            "паста" -> "20 минут"
            "пицца" -> "15 минут"
            else -> "Неизвестный тип пищи"
        }
    }
    println(cookingTime("паста"))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib
20 минут

Process finished with exit code 0
```

9.

```
fun main() {
    fun stringLength(s: String): Int {
return s.length
    }
    println(stringLength("мандарин"))
}
```



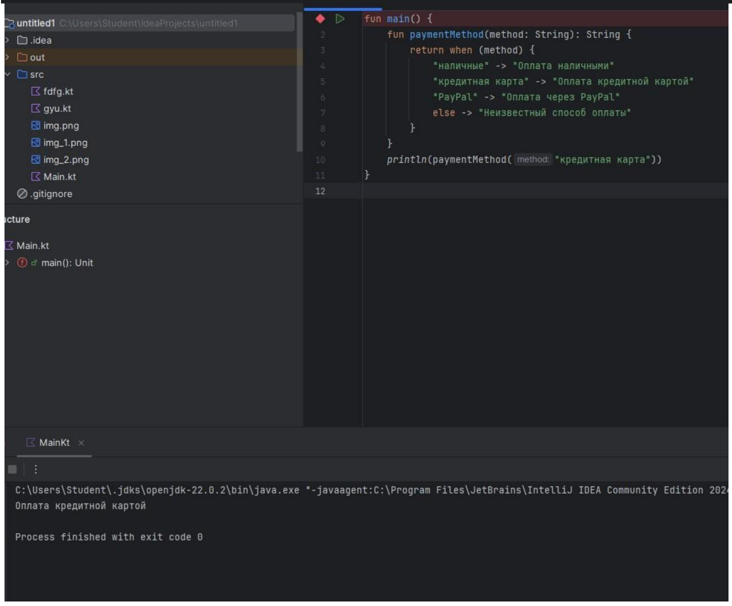
```
fun main() {
    fun stringLength(s: String): Int {
        return s.length
    }
    println(stringLength( s: "мандарин"))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Commun
8

Process finished with exit code 0
```

10.

```
fun main() {
    fun paymentMethod(method: String): String {
return when (method) {
            "наличные" -> "Оплата наличными"
            "кредитная карта" -> "Оплата кредитной картой"
            "PayPal" -> "Оплата через PayPal"
else -> "Неизвестный способ оплаты"
        }
}
    println(paymentMethod("кредитная карта"))
}
```



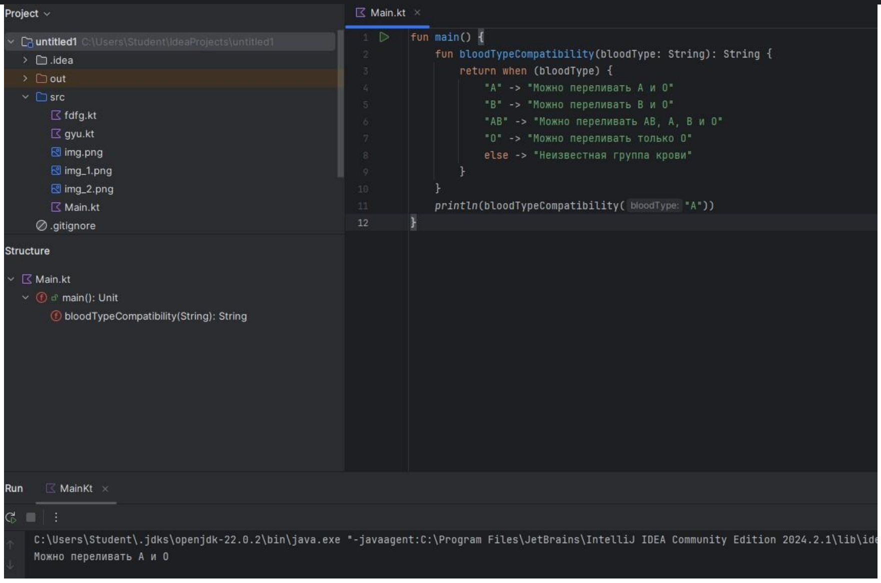
```
fun main() {
    fun paymentMethod(method: String): String {
        return when (method) {
            "наличные" -> "Оплата наличными"
            "кредитная карта" -> "Оплата кредитной картой"
            "PayPal" -> "Оплата через PayPal"
            else -> "Неизвестный способ оплаты"
        }
    }
    println(paymentMethod( method: "кредитная карта"))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024
Оплата кредитной картой

Process finished with exit code 0
```

11

```
fun main() {
    fun bloodTypeCompatibility(bloodType: String): String {
return when (bloodType) {
            "A" -> "Можно переливать A и O"
            "B" -> "Можно переливать B и O"
            "AB" -> "Можно переливать AB, A, B и
O"              "O" -> "Можно переливать только O"
else -> "Неизвестная группа крови"
        }
}
    println(bloodTypeCompatibility("A"))
}
```

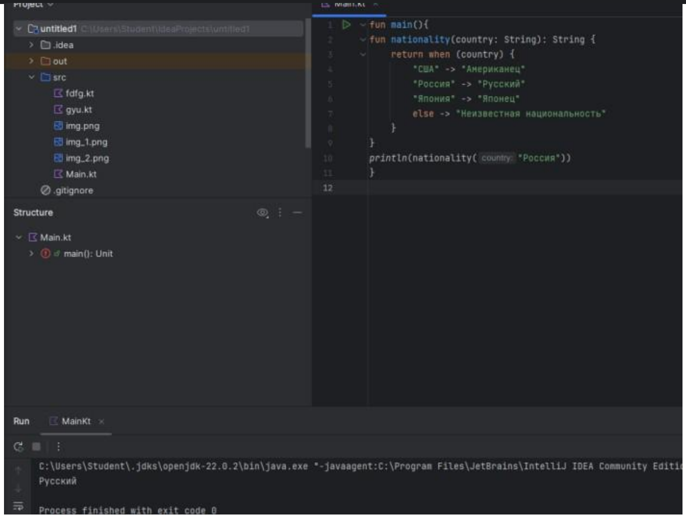


```
fun main() {
    fun bloodTypeCompatibility(bloodType: String): String {
        return when (bloodType) {
            "A" -> "Можно переливать A и O"
            "B" -> "Можно переливать B и O"
            "AB" -> "Можно переливать AB, A, B и O"
            "O" -> "Можно переливать только O"
            else -> "Неизвестная группа крови"
        }
    }
    println(bloodTypeCompatibility( bloodType: "A"))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib\ide
Можно переливать A и O
```

12.

```
fun main(){
fun nationality(country: String): String
{     return when (country) {
"США" -> "Американец"
        "Россия" -> "Русский"
        "Япония" -> "Японец"
        else -> "Неизвестная национальность"
    }
}
println(nationality("Россия"))
}
```



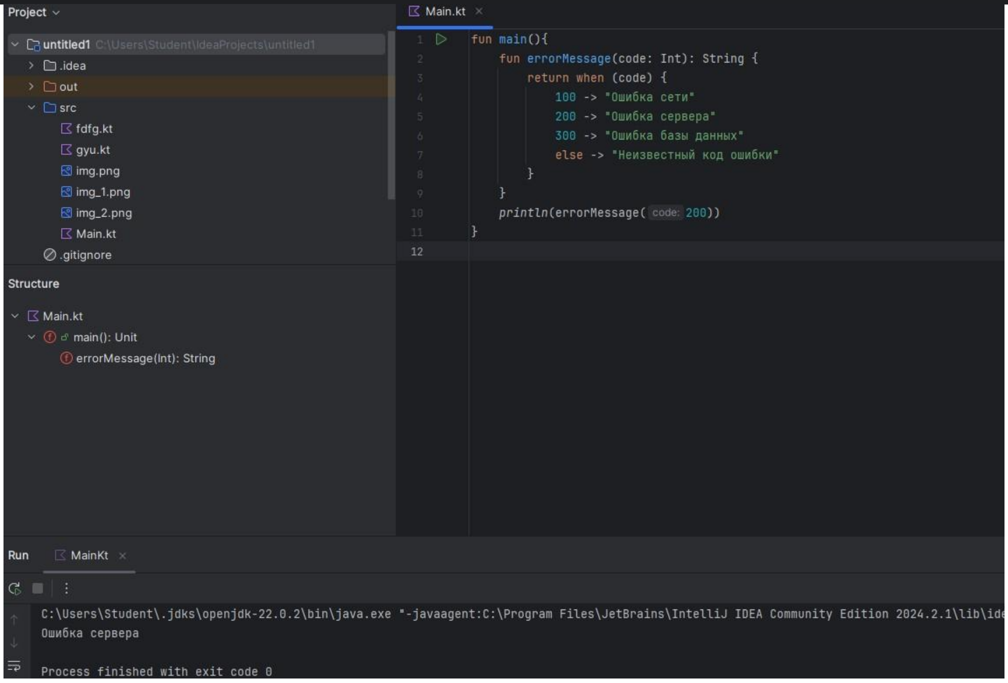
```
fun main(){
fun nationality(country: String): String {
    return when (country) {
        "США" -> "Американец"
        "Россия" -> "Русский"
        "Япония" -> "Японец"
        else -> "Неизвестная национальность"
    }
}
println(nationality( country: "Россия"))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Editio
Русский

Process finished with exit code 0
```

13.

```
fun main(){
    fun errorMessage(code: Int): String {
return when (code) {
            100 -> "Ошибка сети"
            200 -> "Ошибка сервера"
300 -> "Ошибка базы данных"
else -> "Неизвестный код ошибки"
        }
}
    println(errorMessage(200))
}
```



```
fun main(){
    fun errorMessage(code: Int): String {
        return when (code) {
            100 -> "Ошибка сети"
            200 -> "Ошибка сервера"
            300 -> "Ошибка базы данных"
            else -> "Неизвестный код ошибки"
        }
    }
    println(errorMessage(200))
}
```

```
C:\Users\Student\.jdks\openjdk-22.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib\ide
Ошибка сервера

Process finished with exit code 0
```