

1

The screenshot shows the IntelliJ IDEA IDE with a Kotlin file named `Main.kt`. The code defines a `main` function that declares and prints values for various primitive data types: `Int`, `Long`, `Float`, `Double`, `Char`, `Boolean`, and `String`. The output of the program is visible in the Run console at the bottom.

```
1 fun main() {
2
3     val intValue: Int = 77
4     val longValue: Long = 100000L
5
6     val floatValue: Float = 3.14f
7     val doubleValue: Double = 3.14159
8
9     val charValue: Char = 'M'
10
11     val booleanValue: Boolean = true
12
13     val stringValue: String = "Привет, Kotlin!"
14
15     println("1. Целочисленные типы:")
16     println("  - Int: $intValue")
17     println("  - Long: $longValue")
18
19     println("2. Числовые с плавающей запятой:")
20     println("  - Float: $floatValue")
21     println("  - Double: $doubleValue")
22
23     println("3. Символьный тип:")
24     println("  - Char: '$charValue'")
25
26     println("4. Логический тип:")
27     println("  - Boolean: $booleanValue")
28
29     println("5. Строковый тип:")
30     println("  - String: \"$stringValue\"")
31 }
```

Run console output:

```
"C:\Program Files\Eclipse Adoptium\jdk-17.0.11.9-hotspot\bin\java.exe" "-javaagent:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib\idea_rt.jar=51006:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\bin" 51006
1. Целочисленные типы:
  - Int: 77
  - Long: 100000
2. Числовые с плавающей запятой:
  - Float: 3.14
  - Double: 3.14159
3. Символьный тип:
  - Char: 'M'
4. Логический тип:
  - Boolean: true
5. Строковый тип:
  - String: "Привет, Kotlin!"
Process finished with exit code 0
```

2

The screenshot shows the IntelliJ IDEA IDE with a Kotlin file named `Main.kt`. The code defines a `main` function that declares a `Double` variable and prints its value formatted to two decimal places using the `format` method. The output of the program is visible in the Run console at the bottom.

```
1 fun main() {
2     val number: Double = 3.14159
3
4     println("Число с точностью до сотых: %.2f".format(number))
5 }
```

Run console output:

```
"C:\Program Files\Eclipse Adoptium\jdk-17.0.11.9-hotspot\bin\java.exe" "-javaagent:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib\idea_rt.jar=51045:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\bin" 51045
Число с точностью до сотых: 3.14
Process finished with exit code 0
```

3

```

Project: Main.kt
1 fun main() {
2     val e = Math.E
3     println(String.format("%.1f", e))
4 }

Run: Main.kt
"C:\Program Files\Eclipse Adoptium\jdk-17.0.11.9-hotspot\bin\java.exe" "-javaagent:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib\idea_rt.jar=51874:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\bin" -Didea.config.path=C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\config -Didea.system.path=C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\system -Didea.version=2024.2.1 2,7
Process finished with exit code 0

```

4

```

Project: Main.kt
1 fun main() {
2     println("Введите число:")
3     val input = readLine()
4     println("Вы ввели число: $input")
5 }

Run: Main.kt
"C:\Program Files\Eclipse Adoptium\jdk-17.0.11.9-hotspot\bin\java.exe" "-javaagent:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib\idea_rt.jar=51111:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\bin" -Didea.config.path=C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\config -Didea.system.path=C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\system -Didea.version=2024.2.1
Введите число:
88
Вы ввели число: 88
Process finished with exit code 0

```

5

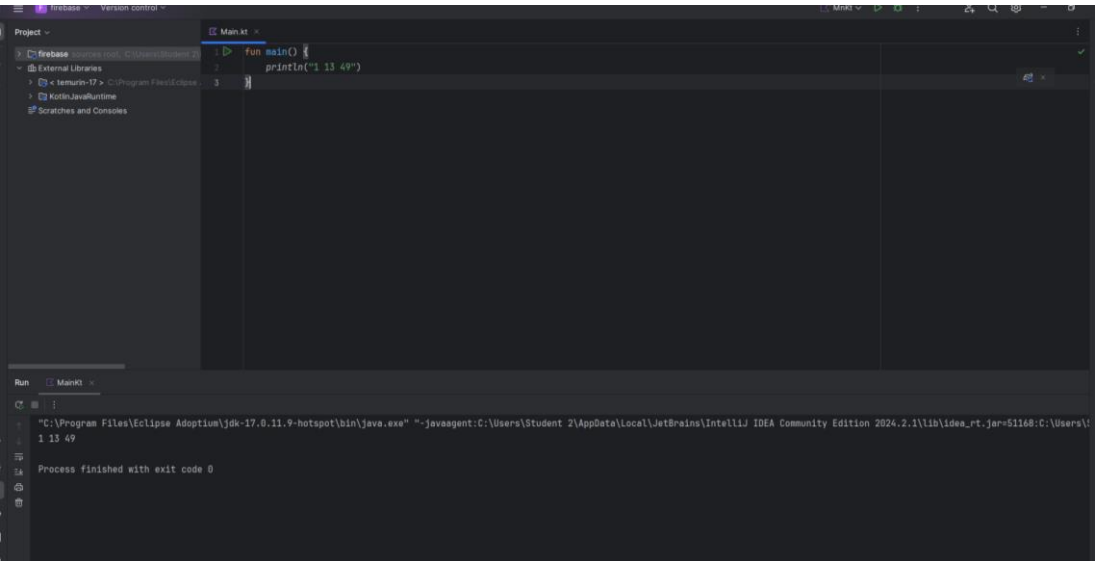
```

Project: Main.kt
1 fun main() {
2     println("Введите число:")
3     val input = readLine()
4     println("input -- вот такое число вы ввели")
5 }

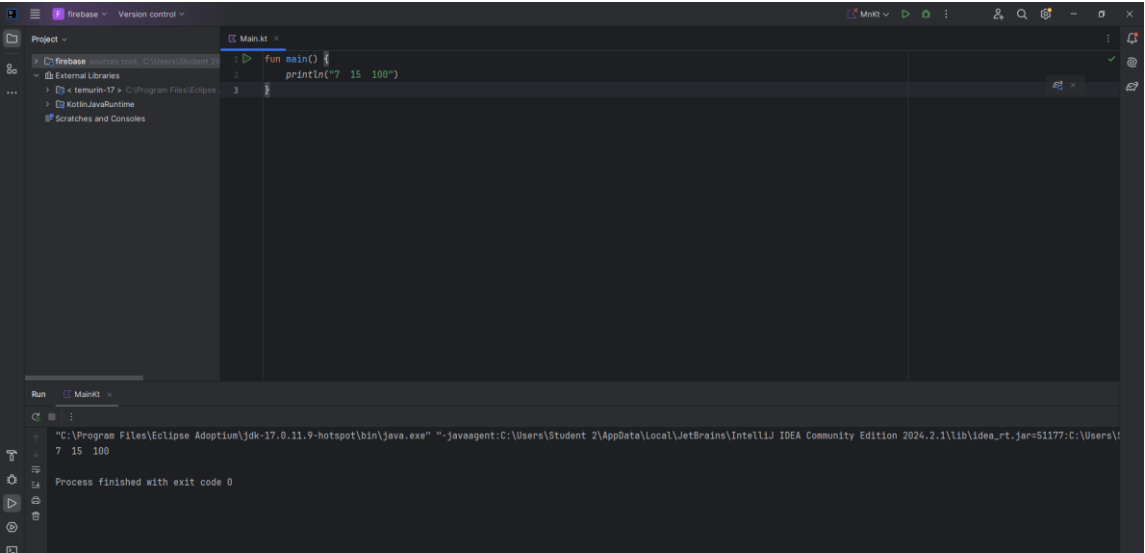
Run: Main.kt
"C:\Program Files\Eclipse Adoptium\jdk-17.0.11.9-hotspot\bin\java.exe" "-javaagent:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib\idea_rt.jar=51130:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\bin" -Didea.config.path=C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\config -Didea.system.path=C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\system -Didea.version=2024.2.1
Введите число:
77
77 -- вот такое число вы ввели
Process finished with exit code 0

```

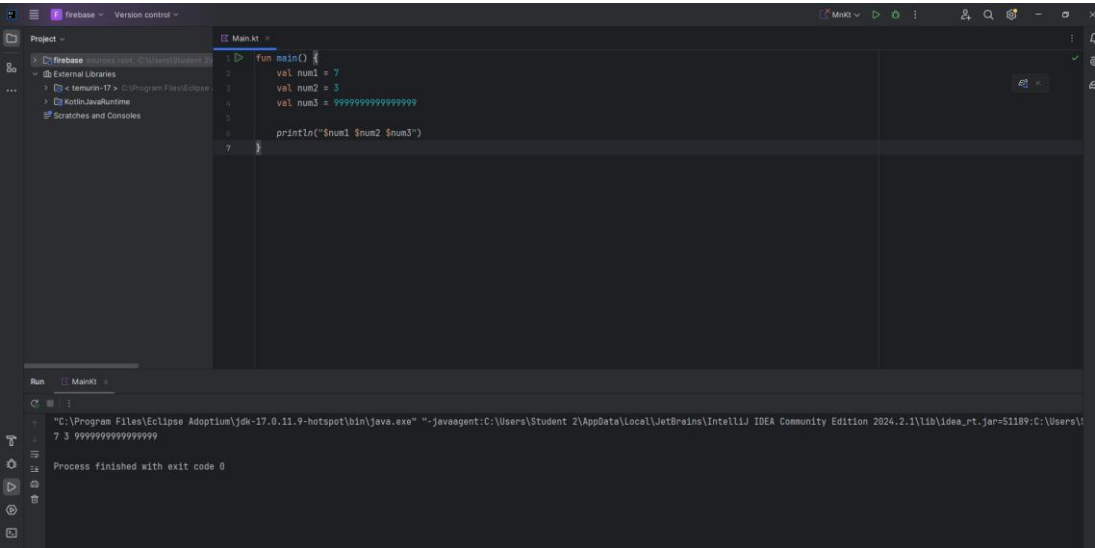
6



7



8



9



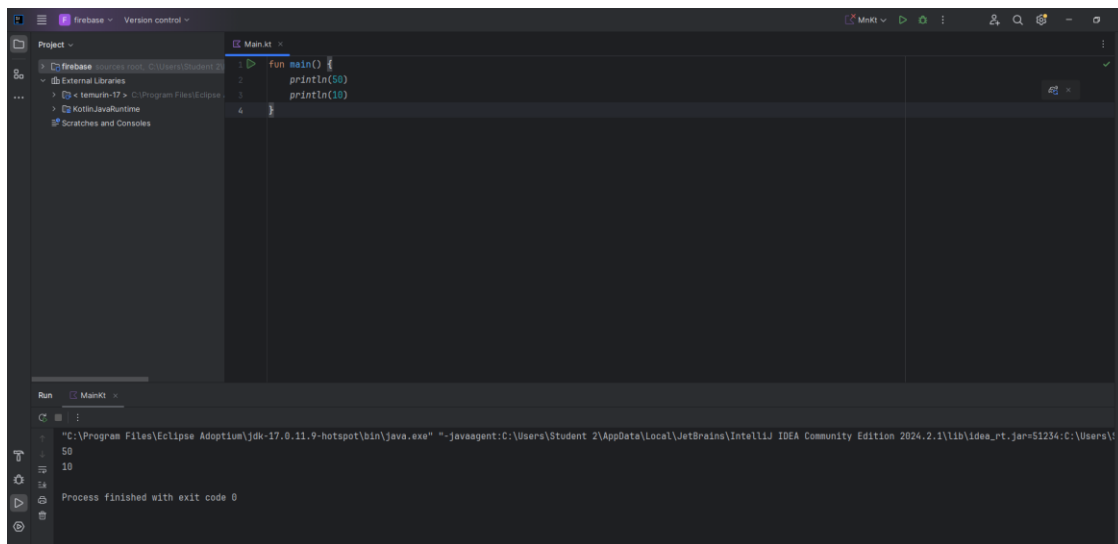
The screenshot shows an IDE window with a project named 'frebase'. The 'Project' view on the left shows the file structure. The 'Main.kt' file is open in the editor, containing the following Kotlin code:

```
1 fun main() {  
2     val num1 = 1  
3     val num2 = 2  
4     val num3 = 3  
5     val num4 = 4  
6  
7     println("$num1 $num2 $num3 $num4")  
8 }
```

The 'Run' view at the bottom shows the execution output:

```
"C:\Program Files\Eclipse Adoptium\jdk-17.0.11.9-hotspot\bin\java.exe" "-javaagent:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib\idea_rt.jar=51222:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\bin" -Didea.config.path=C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\config -Didea.system.path=C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\system -Didea.version=2024.2.1  
1 2 3 4  
Process finished with exit code 0
```

10



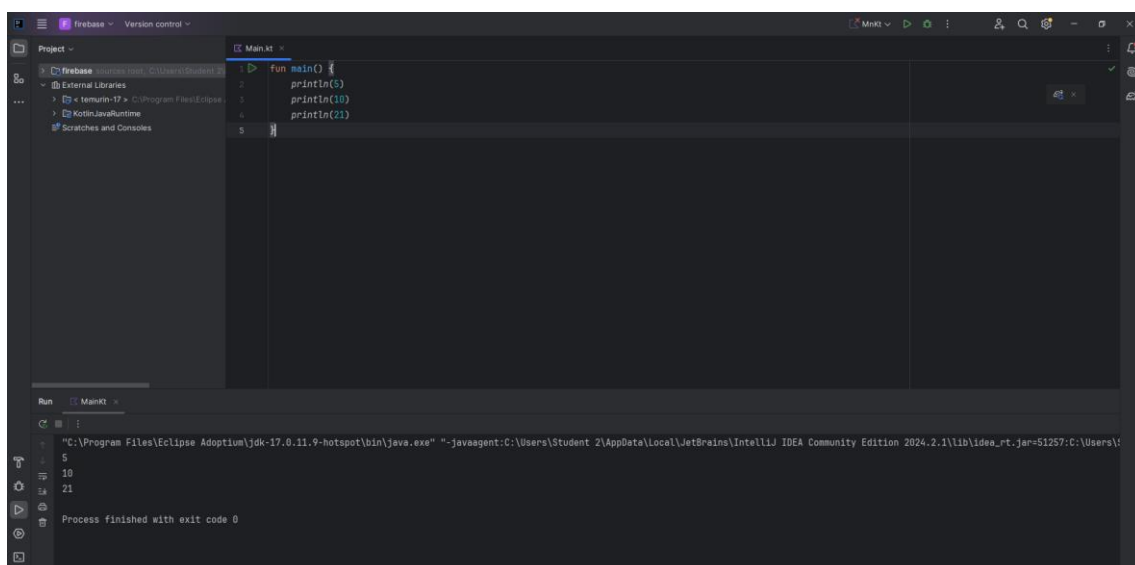
The screenshot shows the same IDE window as before, but the code in 'Main.kt' has been modified:

```
1 fun main() {  
2     println(50)  
3     println(10)  
4 }
```

The 'Run' view at the bottom shows the execution output:

```
"C:\Program Files\Eclipse Adoptium\jdk-17.0.11.9-hotspot\bin\java.exe" "-javaagent:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib\idea_rt.jar=51234:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\bin" -Didea.config.path=C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\config -Didea.system.path=C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\system -Didea.version=2024.2.1  
50  
10  
Process finished with exit code 0
```

11



The screenshot shows the same IDE window as before, but the code in 'Main.kt' has been modified again:

```
1 fun main() {  
2     println(5)  
3     println(10)  
4     println(21)  
5 }
```

The 'Run' view at the bottom shows the execution output:

```
"C:\Program Files\Eclipse Adoptium\jdk-17.0.11.9-hotspot\bin\java.exe" "-javaagent:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\lib\idea_rt.jar=51257:C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\bin" -Didea.config.path=C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\config -Didea.system.path=C:\Users\Student 2\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2024.2.1\system -Didea.version=2024.2.1  
5  
10  
21  
Process finished with exit code 0
```

