

Практическая работа № 1

Выполнили: Андрухова и Загородняя

```
1)fun main() {  
    val age: Int = 25  
  
    val distance: Long = 100000000000L  
  
    val smallNumber: Short = 1000  
  
    val byteValue: Byte = 127  
  
    val name: String = "Андрухова,Загородняя"  
  
    val pi: Float = 3.14F  
  
    val e: Double = 2.718281828459045  
  
    val isActive: Boolean = true  
  
    val initial: Char = 'A'
```

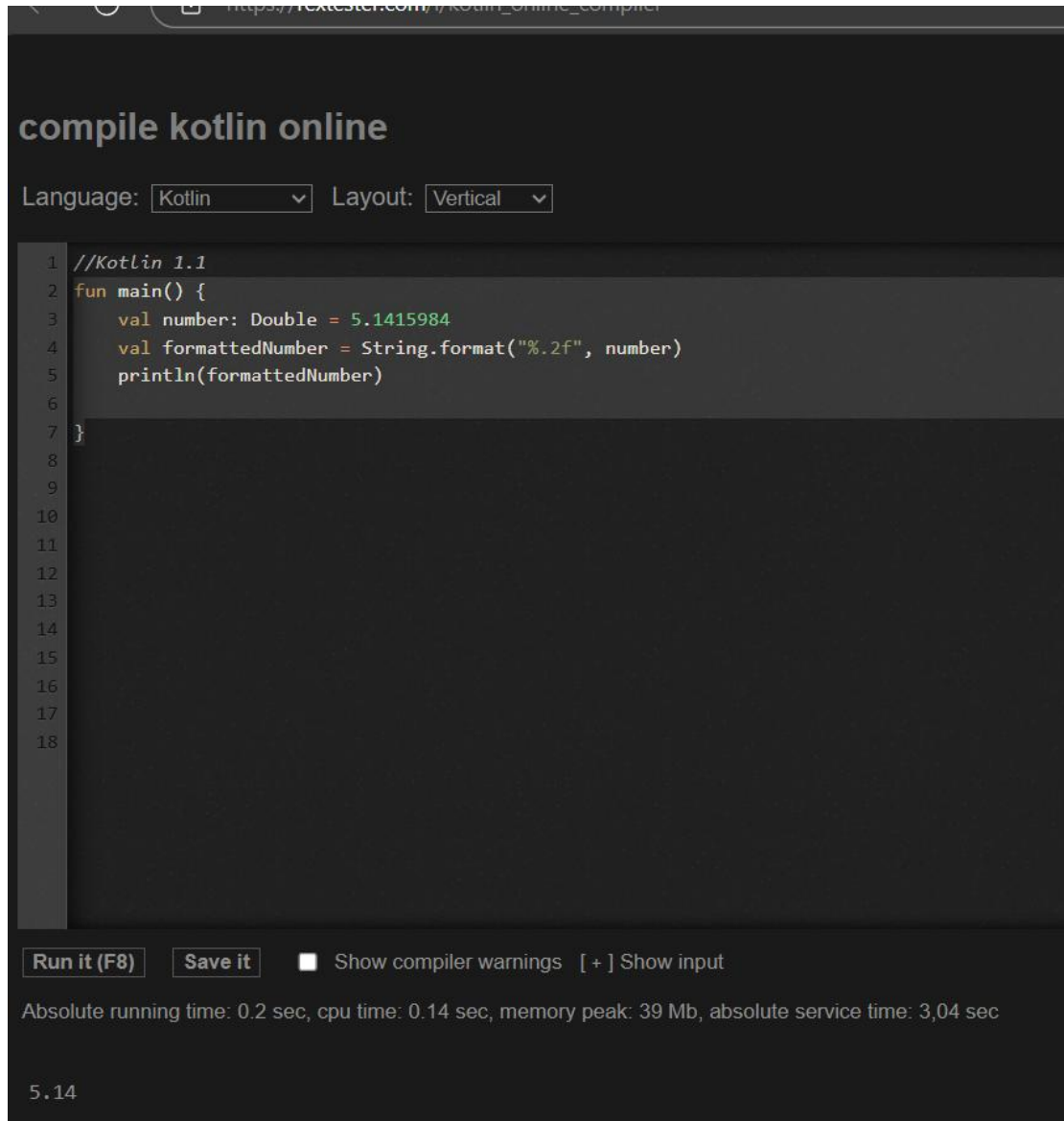
The screenshot shows the 'compile kotlin online' web interface. At the top, there are dropdown menus for 'Language' (set to 'Kotlin') and 'Layout' (set to 'Vertical'). Below these is a text editor with the following Kotlin code:

```
1 //Kotlin 1.1  
2 fun main() {  
3     val age: Int = 25  
4     val distance: Long = 100000000000L  
5     val smallNumber: Short = 1000  
6     val byteValue: Byte = 127  
7     val name: String = "Андрухова,Загородняя"  
8     val pi: Float = 3.14F  
9     val e: Double = 2.718281828459045  
10    val isActive: Boolean = true  
11    val initial: Char = 'A'  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23 }  
24
```

At the bottom of the interface, there are buttons for 'Run it (F8)', 'Save it', and a checkbox for 'Show compiler warnings' (which is checked). To the right of the checkbox is a link '[+] Show input'. Below these controls, the output of the compilation is displayed:

Absolute running time: 0.19 sec, cpu time: 0.1 sec, memory peak: 37 Mb, absolute service time: 2,78 sec

```
2)fun main() {  
    val number: Double = 5.1415984  
    val formattedNumber = String.format("%.2f", number)  
    println(formattedNumber)  
  
}
```



The screenshot shows the 'compile kotlin online' web interface. At the top, the title 'compile kotlin online' is displayed. Below it, there are two dropdown menus: 'Language: Kotlin' and 'Layout: Vertical'. The main area is a code editor with line numbers 1 through 18 on the left. The code in the editor is:
1 //Kotlin 1.1
2 fun main() {
3 val number: Double = 5.1415984
4 val formattedNumber = String.format("%.2f", number)
5 println(formattedNumber)
6
7 }
8
9
10
11
12
13
14
15
16
17
18
Below the editor, there are three buttons: 'Run it (F8)', 'Save it', and a checkbox labeled 'Show compiler warnings' followed by a '+' icon and 'Show input'. Below these buttons, the execution statistics are shown: 'Absolute running time: 0.2 sec, cpu time: 0.14 sec, memory peak: 39 Mb, absolute service time: 3,04 sec'. At the bottom, the output '5.14' is displayed.

```
3)fun main() {  
    val e: Double = Math.E  
    val formattedE = String.format("%.1f", e)  
    println(formattedE)
```

```
}
```

```
compile kotlin online

Language: Kotlin Layout: Vertical

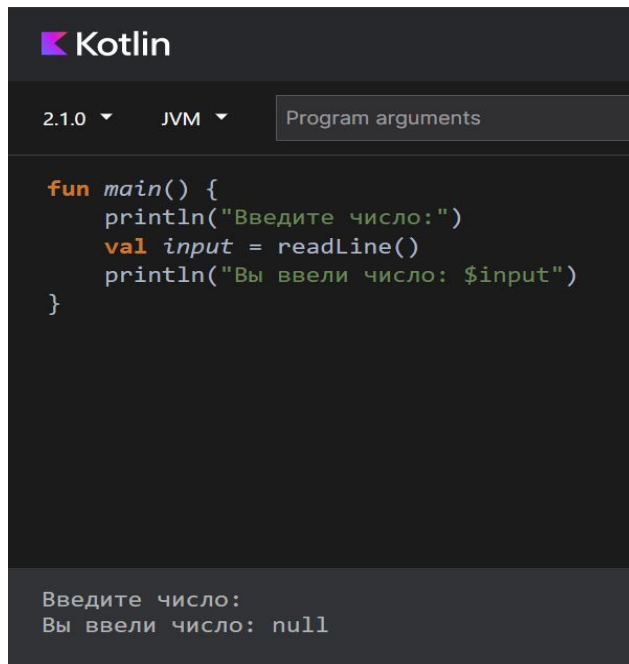
1 //Kotlin 1.1
2 fun main() {
3     val e: Double = Math.E
4     val formattedE = String.format("%.1f", e)
5     println(formattedE)
6 }
7
8
9
10
11
12
13
14
15
16
17
18
19

Run it (F8) Save it Show compiler warnings [ + ] Show input

Absolute running time: 0.2 sec, cpu time: 0.14 sec, memory peak: 39 Mb, absolute service time: 3,16 sec

2.7
```

```
4)fun main() {
    println("Введите число:")
    val input = readLine()
    println("Вы ввели число: $input")
}
```



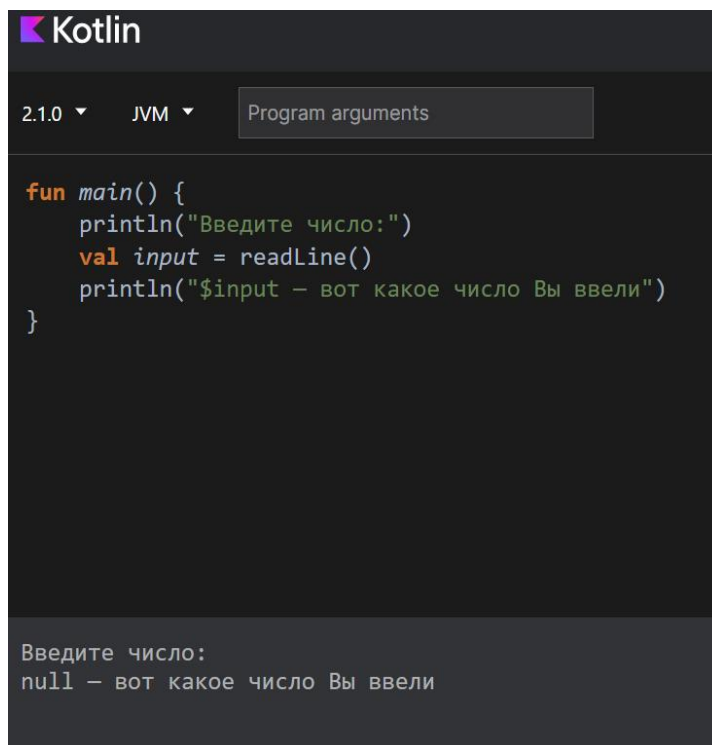
Kotlin

2.1.0 ▾ JVM ▾ Program arguments

```
fun main() {  
    println("Введите число:")  
    val input = readLine()  
    println("Вы ввели число: $input")  
}
```

Введите число:
Вы ввели число: null

```
5)fun main() {  
    println("Введите число:")  
    val input = readLine()  
    println("$input — вот какое число Вы ввели")  
}
```



Kotlin

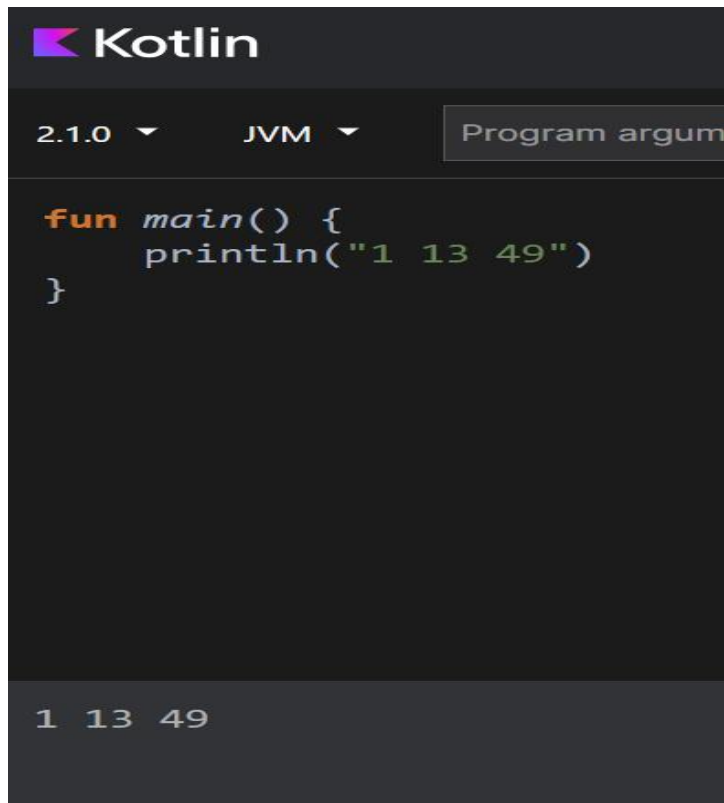
2.1.0 ▾ JVM ▾ Program arguments

```
fun main() {  
    println("Введите число:")  
    val input = readLine()  
    println("$input — вот какое число Вы ввели")  
}
```

Введите число:
null — вот какое число Вы ввели

```
6)fun main() {
```

```
println("1 13 49")
}
```

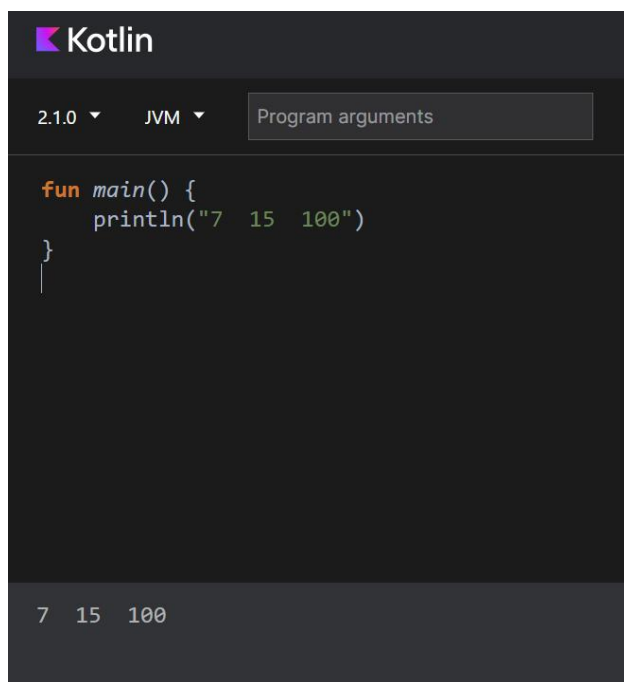


The screenshot shows the Kotlin IDE interface. At the top, the Kotlin logo is visible. Below it, the version is set to 2.1.0 and the target is JVM. A button labeled "Program arguments" is on the right. The main editor area contains the following code:

```
fun main() {
    println("1 13 49")
}
```

At the bottom of the IDE, the output console displays the result of the program: "1 13 49".

```
7)fun main() {
    println("7 15 100")
}
```

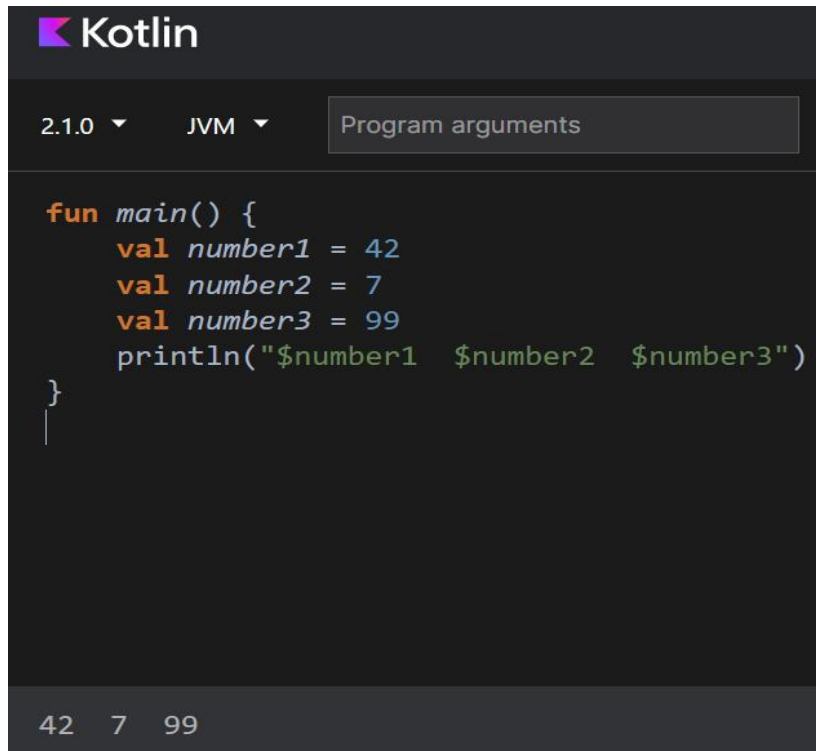


The screenshot shows the Kotlin IDE interface. At the top, the Kotlin logo is visible. Below it, the version is set to 2.1.0 and the target is JVM. A button labeled "Program arguments" is on the right. The main editor area contains the following code:

```
fun main() {
    println("7 15 100")
}
```

At the bottom of the IDE, the output console displays the result of the program: "7 15 100".

```
8)fun main() {  
    val number1 = 42  
    val number2 = 7  
    val number3 = 99  
    println("$number1 $number2 $number3")  
}
```

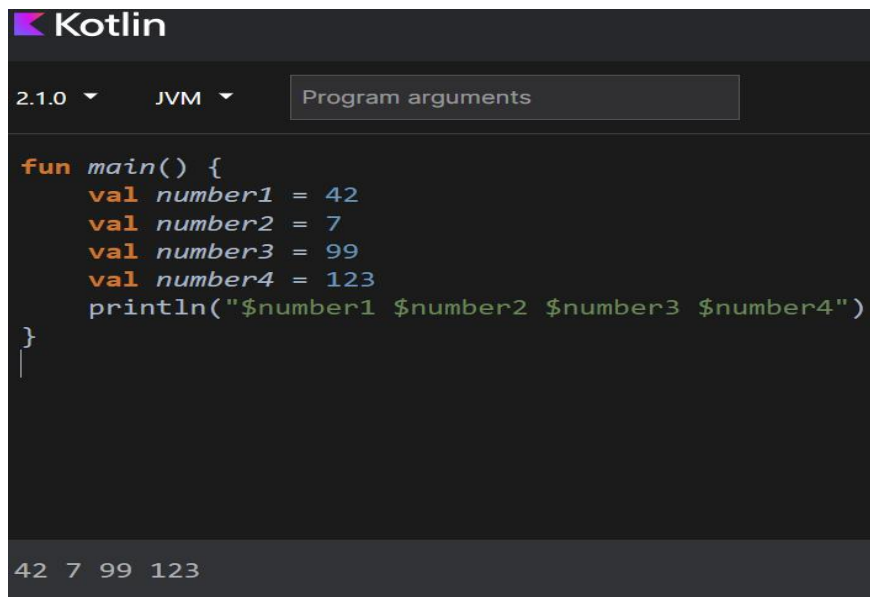


The screenshot shows the Kotlin IDE interface. At the top, the Kotlin logo is visible. Below it, the version is set to 2.1.0 and the target is JVM. A text box for 'Program arguments' is present. The main editor area contains the following Kotlin code:

```
fun main() {  
    val number1 = 42  
    val number2 = 7  
    val number3 = 99  
    println("$number1 $number2 $number3")  
}
```

At the bottom of the IDE, the output console displays the result of the program execution: 42 7 99.

```
9)fun main() {  
    val number1 = 42  
    val number2 = 7  
    val number3 = 99  
    val number4 = 123  
    println("$number1 $number2 $number3 $number4")  
}
```



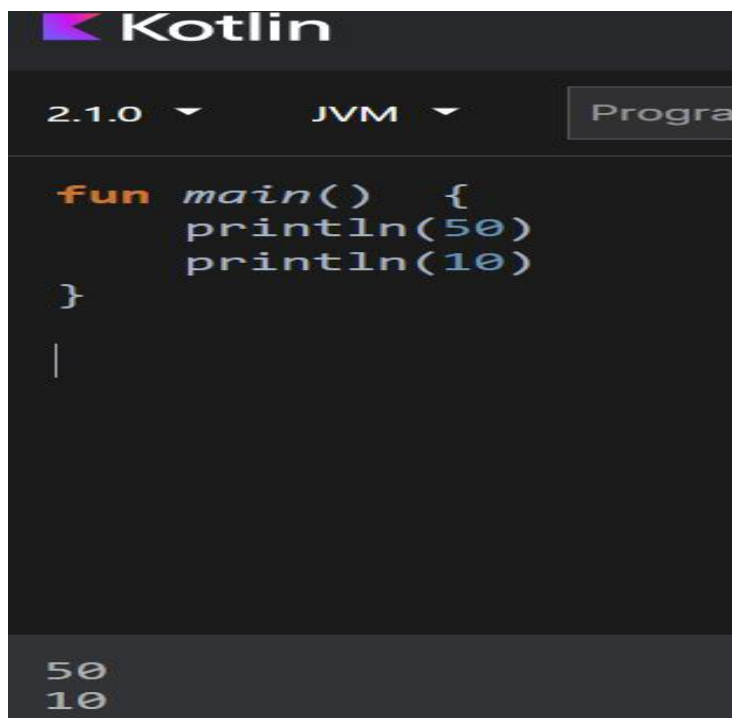
The screenshot shows the Kotlin IDE with the version 2.1.0 and JVM selected. The program arguments field is empty. The code in the editor is as follows:

```
fun main() {  
    val number1 = 42  
    val number2 = 7  
    val number3 = 99  
    val number4 = 123  
    println("$number1 $number2 $number3 $number4")  
}
```

The output at the bottom of the IDE is:

```
42 7 99 123
```

```
10)fun main() {  
    println(50)  
    println(10)  
}
```



The screenshot shows the Kotlin IDE with the version 2.1.0 and JVM selected. The program arguments field is partially visible and contains the text "Progra". The code in the editor is as follows:

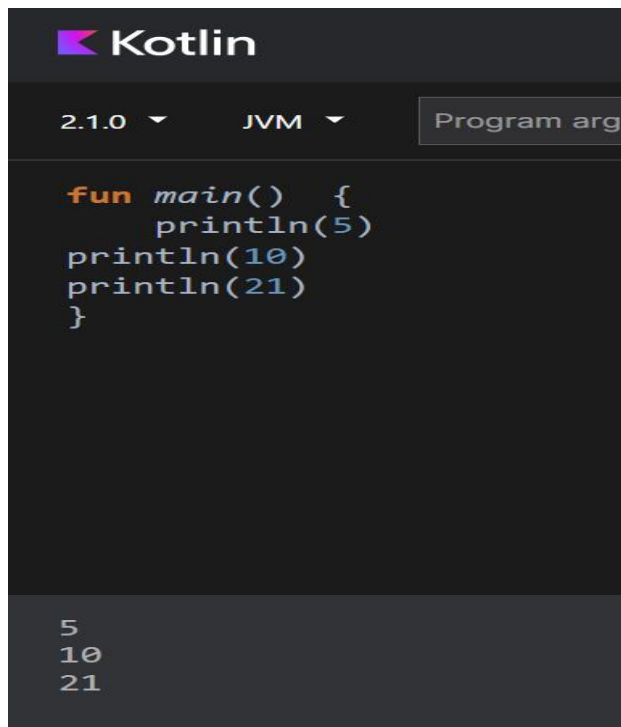
```
fun main() {  
    println(50)  
    println(10)  
}
```

The output at the bottom of the IDE is:

```
50  
10
```

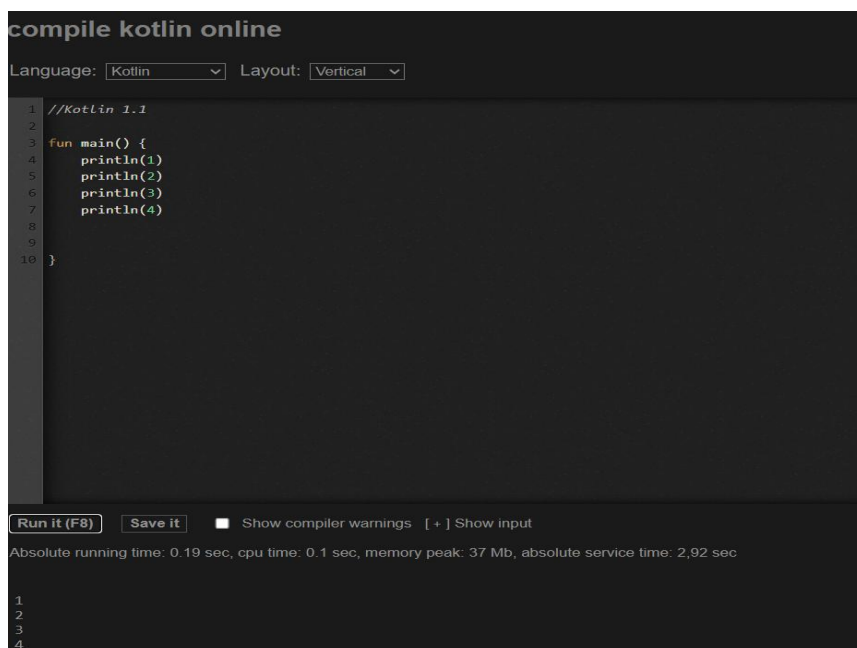
```
11)fun main() {  
    println(5)  
    println(10)  
    println(21)
```

```
}
```



The screenshot shows the Kotlin Playground interface. At the top, there's a header with the Kotlin logo and version '2.1.0'. Below the header, there are dropdown menus for 'JVM' and a 'Program arguments' field. The main area contains a Kotlin code snippet: `fun main() { println(5) println(10) println(21) }`. At the bottom, the output of the program is displayed: `5`, `10`, and `21` on separate lines.

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



The screenshot shows the 'compile kotlin online' interface. At the top, there's a header with the text 'compile kotlin online'. Below the header, there are dropdown menus for 'Language: Kotlin' and 'Layout: Vertical'. The main area contains a Kotlin code snippet: `//Kotlin 1.1
fun main() {
 println(1)
 println(2)
 println(3)
 println(4)
}`. At the bottom, there are buttons for 'Run it (F8)', 'Save it', and checkboxes for 'Show compiler warnings' and 'Show input'. Below the buttons, the output of the program is displayed: `1`, `2`, `3`, and `4` on separate lines.