МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
ЗАПОРІЗЬКИЙ НАЦІОНАЛЬНИЙ УНІВЕРСИТЕТ
МЕТЕМАТИЧНИЙ ФАКУЛЬТЕТ
КАФЕДРА ПРОГРАМНОЇ ІНЖЕНЕРІЇ

Дисципліна «Мови програмування мобільних пристроїв»
Лабораторна робота № 1

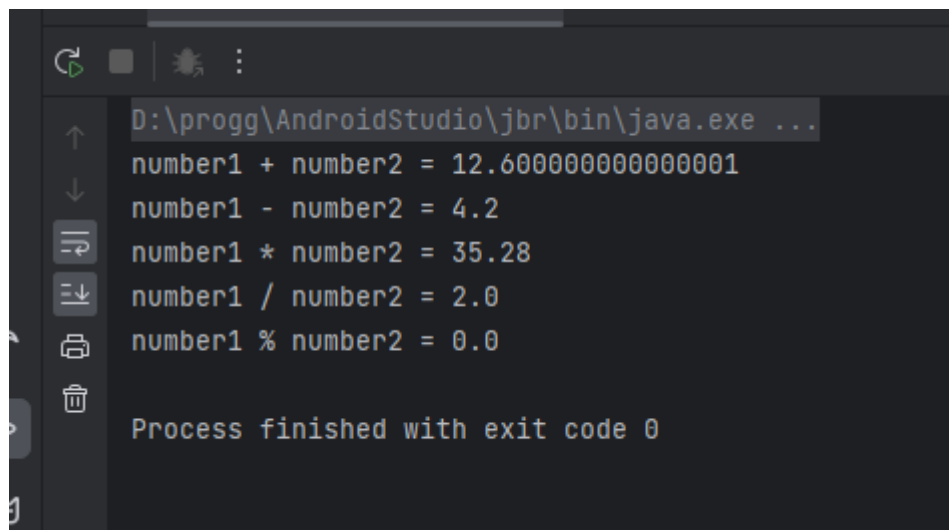Виконав: Студентка гр. 6.1212-2пі
                                           Соколова Каріна

Перевірив: Викладач
                                           Дребезов Д.О.

Запоріжжя
2024

1. Запустити в Andoid Studio проєкт
https://github.com/OakAcademy/Kotlin-Programming-
Course/tree/main/FirstKotlinProgram
2. Вивчити основні структури Kotlin на наведених прикладах.

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
number1 + number2 = 12.6000000000000001
number1 - number2 = 4.2
number1 * number2 = 35.28
number1 / number2 = 2.0
number1 % number2 = 0.0

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
2
First element of ArrayList = Opel
Second element of ArrayList = BMW
Third element of ArrayList = Ford
Ford
5
2.5
false
K

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
First element of Array = 1
Second element of Array = 2
Third element of Array = 3
----------------------------------------
First element of Array = Mercedes
Second element of Array = BMW
Third element of Array = Opel
----------------------------------------
First element of Array = Mercedes
Second element of Array = BMW
Third element of Array = Ford
Size of cars array = 3
----------------------------------------
First element of Array = Mercedes
Second element of Array = 5
Third element of Array = Opel
Fourth element of Array = 10

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
z = x + y = 35
z +=x = 55
z -=x = 35
z *=x = 700
z /=x = 35
z %=x = 15

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
5
true

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
-----------immutable map of-------------
Age of David : 20
Age of Ronaldo : 25
-----------mutable map of------------
Age of David : 20
Age of Ronaldo : 25
Age of Buffon : 30

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe .
Result: false
Result: true

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
true
R
12
-356
43543
-432543234
5.687643
7.34534276464

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Process finished with exit code 0
```
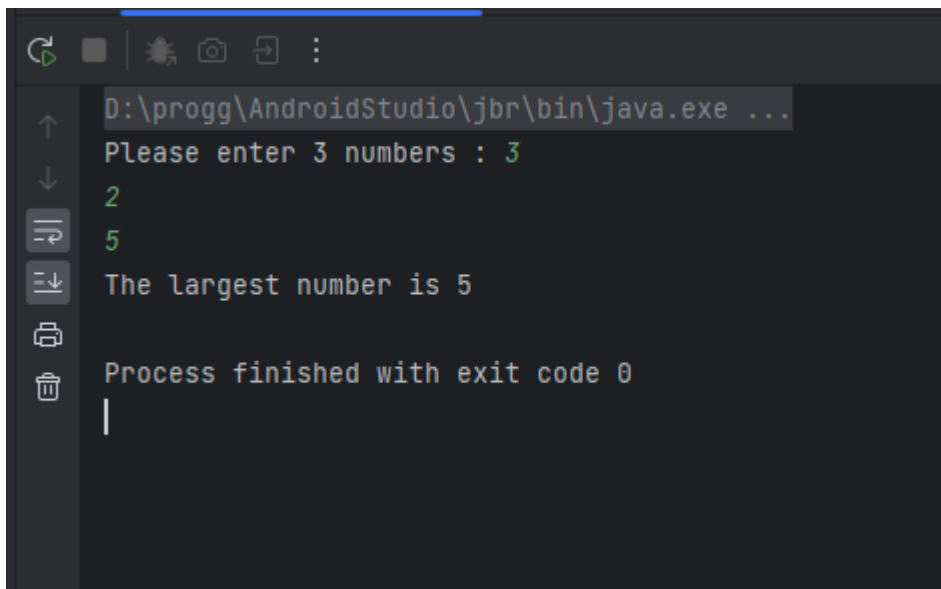
```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
a == b : true
a != b : false
a > b : false
a >= b : true
a < b : false
a <= b : true

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
1
2
3
4
5
6
7
8
9
10

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
Please enter the first number : 4
Please enter the second number : 5
You entered 4 and 5
Sum of the two numbers = 9
The minimum number is 4

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
Hello World

Process finished with exit code 0
```
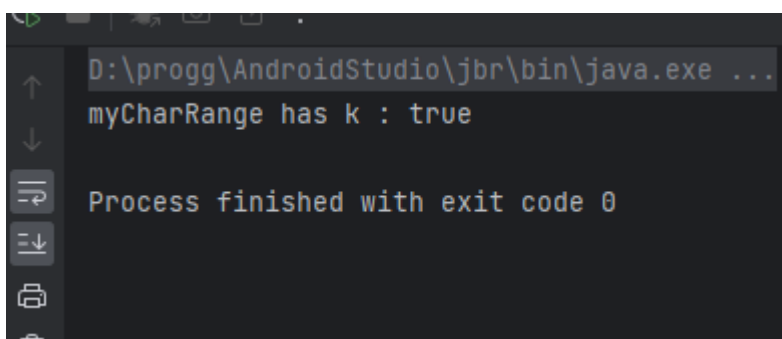
Run   IfElseStatementKt ×

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
Please enter a number : 5
5 is an odd

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
Please enter 3 numbers : 3
2
5
The largest number is 5

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
Result = 13
Result = 28
Sum = 12

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
myCharRange has k : true

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
What is your name? Karina
How old are you? 20
Your name is Karina and your age is 20


Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe
Kotlin    Android
KotlinAndroid


Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
132.32
132
-124

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
+number = 7.6
-number = -7.6
++number = 8.6
--number = 7.6
!isCheck = false
--------------------------
result++ = 4.7
result = 5.7
++result = 6.7
result = 6.7

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
10

Process finished with exit code 0
```

```
D:\progg\AndroidStudio\jbr\bin\java.exe ...
Please enter a day number of week : 2
Day is Tuesday

Process finished with exit code 0
```

```
  .WhileLoopKt
Please enter a number:
5
Increase you guess
2
Increase you guess
3
Increase you guess
7
Congratulations, you know the number in my mind


Process finished with exit code 0
|
```