# Homework 3 - Kotlin Advanced Syntax

# Problem

1. Write a function that accepts an integer parameter and 2 function params
2. One of the functions should be passed as lambda (you should decide which one should it be)
3. The other one should be passed as a separate variable
4. Call the initial function with each value from 0 to 20
5. In case the number is divisible by 3 call the first function, otherwise call the second one
6. The first function should evaluate if the passed number is present in the array [2,3,4,5,6,12,13,14,15] by using the lambda “filter” function of the Array class and print the result in the format PASSED NUMBER -> YES/NO
7. The second function should find all divisors of this number in the array [0,2,4,6,10,11,12,13] by using the lambda “forEach” function of the Array class and save them in separate array which is printed in the end in the format: PASSED NUMBER -> DIVISORS ARRAY

# Deadline

Submit your solution **until 23:59 on 2 October 2022**, **Sunday**.

# Upload Instructions

#### File Upload Form

THIS IS AN EXAMPLE!!!

Upload an archived file (zip/rar/7z) in the course page under the lesson’s section (<https://softuni.bg/trainings/3884/android-development-with-kotlin-september-2022#lesson-45996>):

1. Graphical user interface, application

   Description automatically generated

Choose the file you want to upload, then select this button:

1. Graphical user interface, text, application

   Description automatically generated 3) Graphical user interface, application

   Description automatically generated with medium confidence

When you see “**Done**” and “**100%**” completion of upload, you have successfully uploaded the file.

You can **replace the uploaded file** by **uploading a new one** (a single archive for all files), you can make changes until the **due date**.

#### Project Solutions File Instructions

Go to the scratch file location, written in the top corner of the application window and archive the scratch file.