For this exercise import the project *exercises_5_eco_system*

Exercise 1: Match calculators

Rewrite the methods in class Math so that

 - Math class to have static methods
 - Main class to use the static methods
Let's make it so that the math has no mathematicianName filed anymore

 - Extends the functions of Math with next functions:
    - subtract(double a, double b),
    - divide(double a, double b) (here make required checks)
    - nth(double root, double n) - calculate root on degree n: e.g. nth(5, 2) -> 25

Use testMath class to test the static methods in class Match

Exercises 2: Extends Address and crate House class

Go to **home** folder and let's extend Address class as:

  - Add a country to the Address class
  - Add a country argument to the constructor
  - Fix the Main class whenever is required and pass the country to the Address instance
  - Add a method in Address with next syntax

public void setStreet(String newStreet) {…} and change the street of the address within the newStreet

  - Set the new street in Main via the new method
  - Add such setters for the other class variables – city and country

–Create a new class **House** with next arguments

  ■Address

  ■Name

  ■Number of rooms

  ■Static argument called numberOfHouses from type int

–Add full argument constructor of House class where increase the numberOfHouses with 1

–Add printState method with no return argument and print in the console the full state of the House and the static variable numberOfHouses

–Go in Main class and create 2 instances of House class

–Call the printState method of each of the instances

–Create a static method in House class called printNumberOfHouses
–In this method print the number of houses and try to print also the other variables in the House.
What is the error and why do you have it ?