

CP2406 Prac-9

By solving the following exercises, you can practice the material discussed in the relevant chapter. Solutions to all exercises are available in the "solutions"-subfolder. However, if you are stuck on an exercise, first reread parts of the chapter to try to find an answer yourself before looking at the solutions.

NOTE! VSCode is getting confused very often. Tested fixes:

- * Close and open it.
- * Delete ".vscode" folder(s).
- * How to configure and compile VSCode for multiple .cpp files: see prac05

Please note that std-17 solutions may not be provided but you need to submit this prac solution in std-17.

prac09_task1 for Chapters 16-"Standard library" and 17-Iterators

- 1) Convert python solution (see prac09_task1_circular_primes) for problem 35 of the Euler project <https://projecteuler.net/problem=35> to C++.

Circular Primes

Problem 35



The number, 197, is called a circular prime because all rotations of the digits: 197, 971, and 719, are themselves prime.

There are thirteen such primes below 100: 2, 3, 5, 7, 11, 13, 17, 31, 37, 71, 73, 79, and 97.

How many circular primes are there below one million?

- 2) Hint: std containers and algorithms are designed to work with iterators (see chapter 17 pdf and slides).
- 3) Hint: search chapter-16 pdf for suitable replacements of python code.

prac09_task2 Assignment help

- 4) Some part of this prac can be used to provide help with the coding assignment.

===== THE END =====