

Coding Test – Programming

2018-03-26

Your task is to decode strings. You have **two input files**.

The first file contains the **encoding rules**. Each line contains a character pair. For example:

```
m k
z e
```

This means that all the 'm' characters were changed to 'k', and all the 'z' characters were changed to 'e' when we encoded the string. The characters are separated by a space.

The other file contains the encoded strings (one string per line).

Your task is to **decode the strings**, and write out the decoded strings into an output file. You should output the decoded strings in the order in which they were present in the input file, one string per line.

You are **not** allowed to **modify the main.cpp**. The coding.h file contains the declarations of the functions that are used in the main.cpp file. You have to create a C++ source file (.cpp) that contains the definitions of the functions.

Don't forget to include **error checking** (file opening error).

You can assume that the content of the input files is correct.

Sample input and output files:

rules.txt	strings.txt	decodedstrings.txt
r k	I 3ove Eastek.	I love Easter.
l 3	I 3ive witq zebkas.	I live with zebras.
h q	Wqo qas some cqoco3ate?	Who has some chocolate?
	Is spking qere yet?	Is spring here yet?
	Cqeek up!	Cheer up!

Write your **name and Neptun-code** at the top of the main.cpp file. You have to upload your project folder in a **zipped file format to Canvas**. If you have any problems with zipping or uploading, reach out to one of the instructors.

If your code does not compile, it is not going to be graded. You can get 50 points for the test. To pass, you need to get at least 25 points.

You are allowed to use only a sheet of A4 paper with your notes on it. Using any other devices or tools is considered cheating, and you will fail the exam.

Good luck!