TASK 3

Caesar cipher

After rewriting Task2 Caeser cipher according to Object-Oriented programming paradigm:

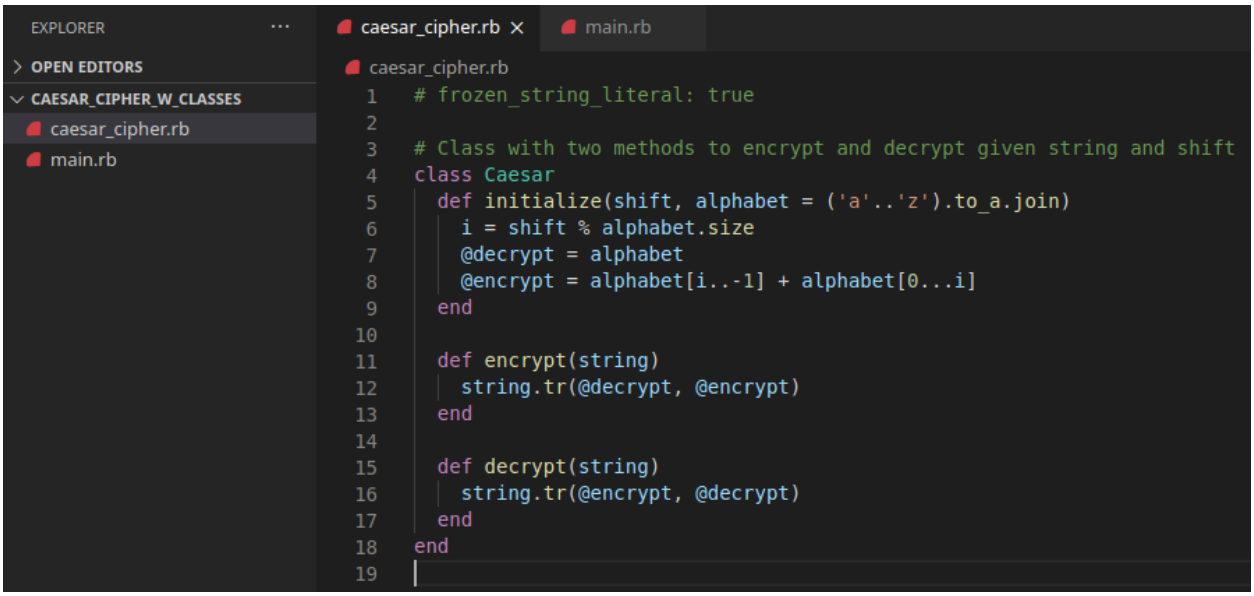

Figure 1 – Caesar cipher program using OOP paradigm

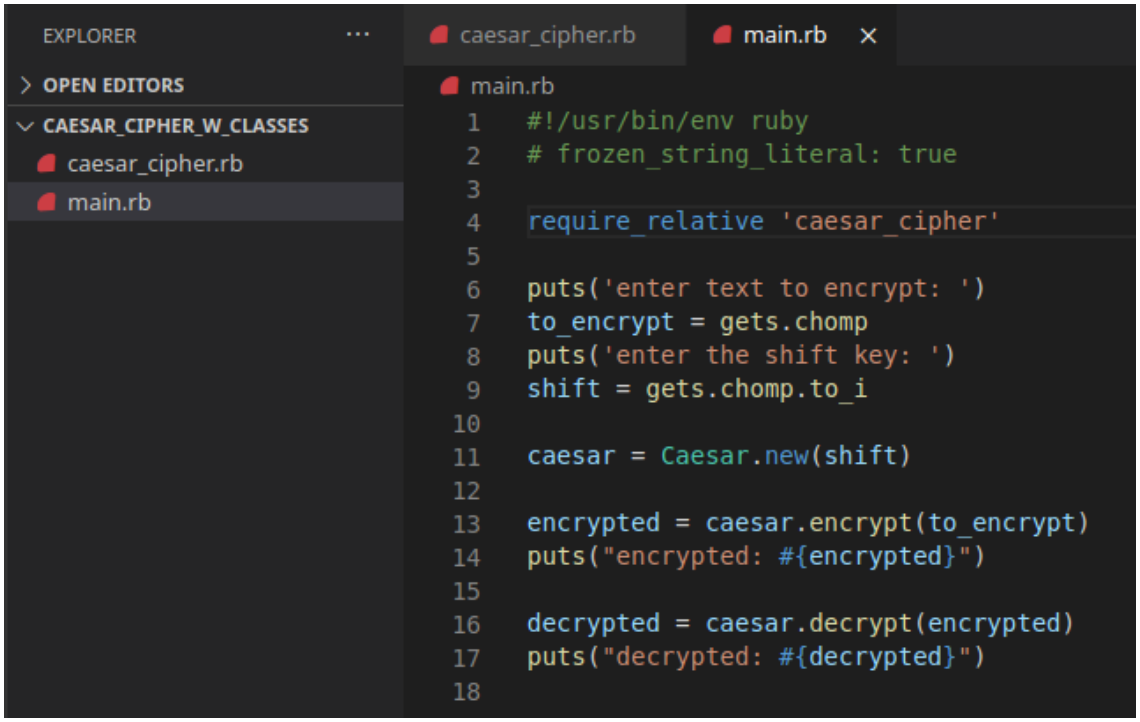

Figure 2 - main file for output

The encryption, decryption and alphabet values are now initialized inside the class. Main.rb file is for output only with the import for the cipher class.

Fixed mistakes with rubocop, no offenses detected.

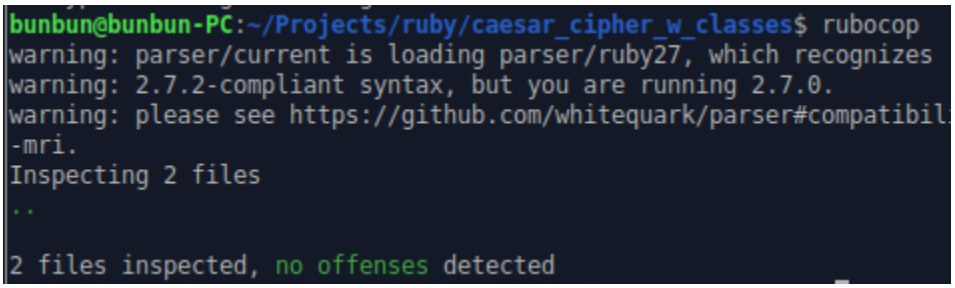

Figure 3 - rubocop result

The outputs are the same as in task 2.

Vigenere cipher

After rewriting task 2 Vigenere cipher according to Object-Oriented programming paradigm:

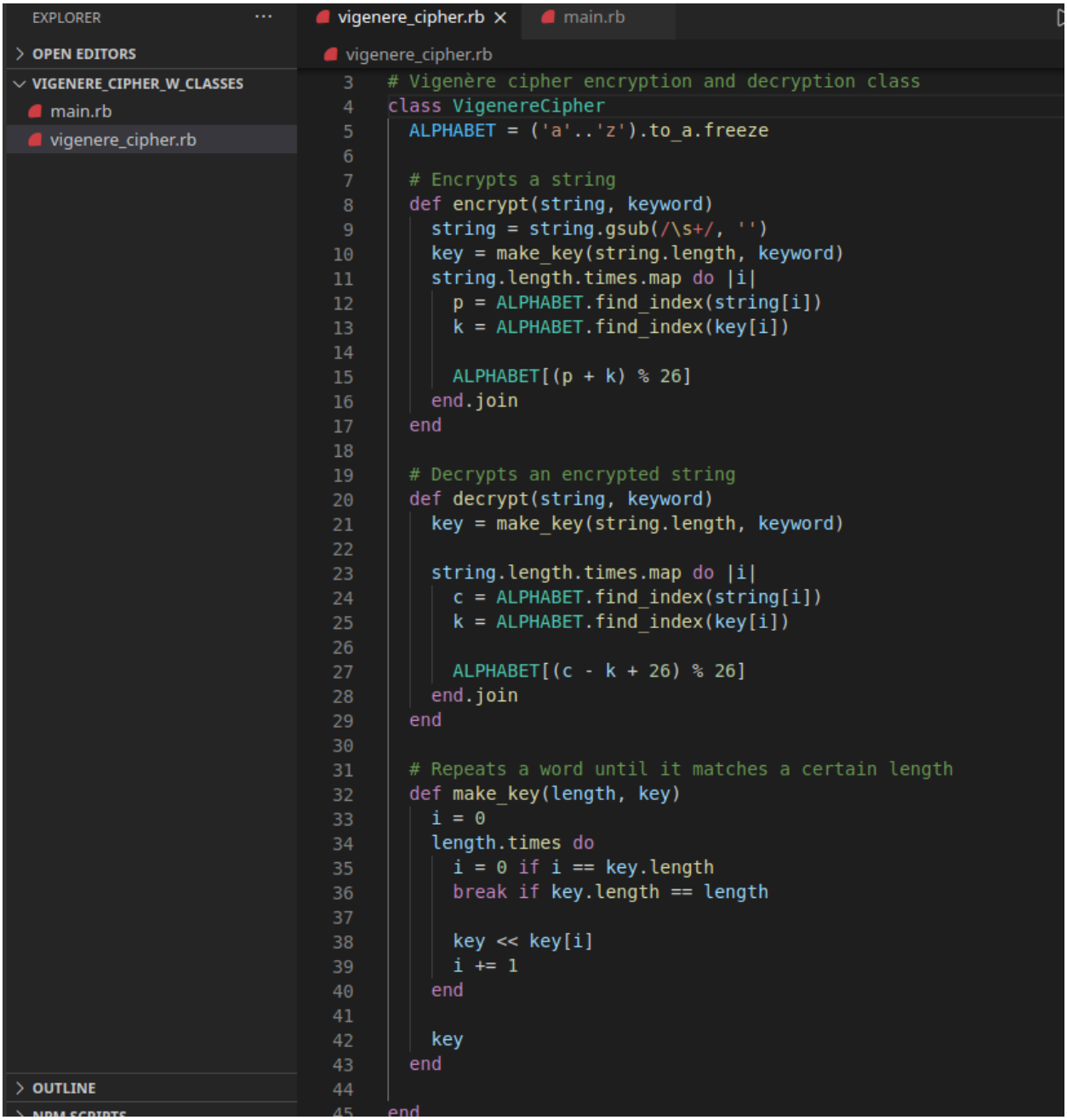

Figure 4 – Vigenere cipher program using OOP paradigm

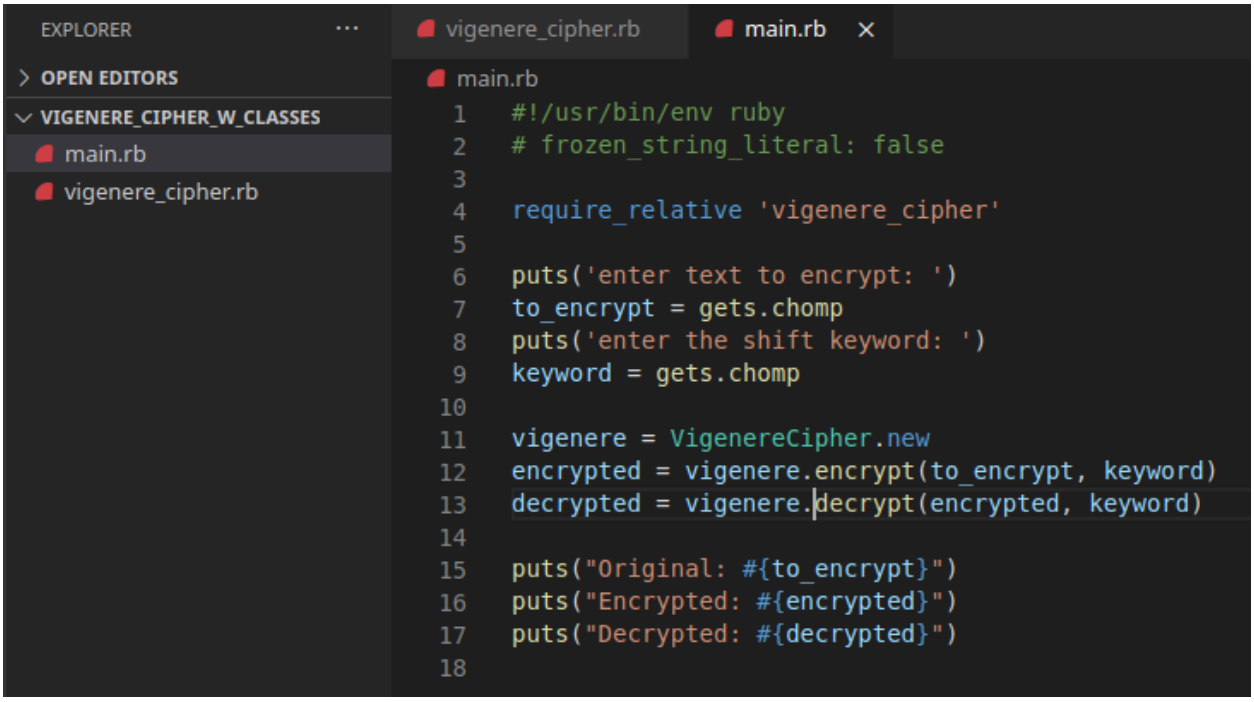

Figure 5 - main file for output

Everything works in the same way as in task 2, the only difference is that all of the methods are in a class now and it is called from the main file where the output is handled.

Fixed mistakes with rubocop, no offenses detected.

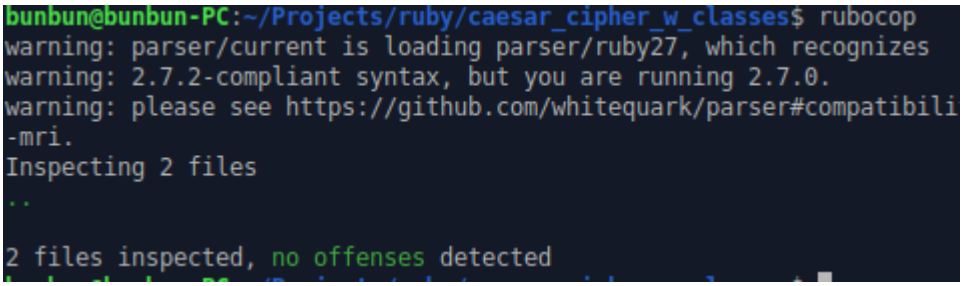

Figure 6 - rubocop result

The outputs are the same as in task 2.