



ENG WEEK 2017

CODING CHALLENGE

Attention all! Our spies were captured by the enemy. We can no longer guarantee with certainty one of the Rotors. However, before being captured, they were able to confirm part of the new configuration.

**THIS IS A FREE-FOR-ALL, USE WHATEVER TOOLS AT YOUR DISPOSAL
(INCLUDING 3RD-PARTY LIBS)**

Rotor I: MNBVCXZQWERTYUIOPLKJHGFDSA

Rotor II: ??????????????????????

Rotor III: QWERTYUIOPASDFGHJKLZXCVBMN

Reflector: YRUHQLDPXNGOKMIEBFZCWWJAT

As far as we know, there were no changes made to the rotations so:

Where Rotor I turns every letter, Rotor II turns every second letter, and Rotor III turns every third letter and we can confirm that space characters are still replaced with "QQ"

Your program should:

1. Read a file given in the arguments and generate a file called `enigma.txt` where the first line is the full combination found for the rotor with the missing sequence and the following lines are the translated/encrypted message.
2. Submit your code in a zip file with a readme file with the team members' names as well as instructions on how to run the code.

IMPORTANT TIP: Our intelligence informs us that the messages always start with the same first line. This is crucial information. Good luck.

P.S. As this is WAR, time is our most precious resource, a faster and optimized solution will guarantee us (and you) the victory!