

Race 00

Marathon C

April 15, 2020



ucode

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Engage



DESCRIPTION

Hi there!

Your first team challenge starts right now.

Teamwork skills are extremely important today. Overcoming the challenges of working in a team, you will gain experience that will be useful to you in any field. Communication, conflict management, listening, reliability, respectfulness are all about teamwork.

Teamwork isn't as easy as it seems. Be ready.
Keep calm and work as a team.

BIG IDEA

Collaboration.

ESSENTIAL QUESTION

How to be an effective team?

CHALLENGE

Develop a solution on the C programming language working in a team.

Investigate



GUIDING QUESTIONS

We invite you to find answers to the following questions. By researching and answering them, you will gain the knowledge necessary to complete the challenge. To find answers, ask the other students in the Slack and search the internet. We encourage you to ask as many questions as possible. Note down your findings and discuss them with your peers.

- Have you worked in a team before? What was your teamwork experience?
- What styles of teamwork do you know? What is a Teal Organisation?
- What skills and strengths are required to become an effective team member?
- What tools can help you improve your teamwork skills?
- How to use `git` when you write code in collaboration? What gitflow do you use?

GUIDING ACTIVITIES

Complete the following activities. Don't forget that you have a limited time to overcome the challenge. Use it wisely. Distribute tasks correctly.

- Meet with your team in the Zoom. Discuss how you will organize teamwork. Create a channel for a team communication.
- Read the story, taking everyone's ideas on board.
- Distribute tasks among all team members.
- Create a workplan for this challenge. Make sure the entire team understands what they need to do.
- Choose a gitflow for effective teamwork. We recommend you to use `git-flow-avh`.
- Clone your git repository that is issued on the challenge page in the LMS.
- Start to develop the solution. Offer improvements. Test your code.
- Communicate with students and share information.

ANALYSIS

Analyze your findings. What conclusions have you made after completing guiding questions and activities? In addition to your thoughts and conclusions, here are some more analysis results.

- Challenge has to be carried out by the entire team.
- Each team member must understand the challenge and realization, and be able to reproduce it individually.
- It is your responsibility to assemble the whole team. Phone calls, SMS, messengers and the Zoom are good ways to stay in touch.
- Be attentive to all statements of the story. Examine the given examples carefully. They may contain details that are not mentioned in the task.
- Analyze all information you have collected during the preparation stages.
- Perform only those tasks that are given in this document.



- Submit your files using the layout described in the story. Only useful files allowed, garbage shall not pass!
- Compile C-files with clang compiler and use these flags:
`clang -std=c11 -Wall -Wextra -Werror -Wpedantic`.
- Pay attention to what is allowed in a certain task. Use of forbidden stuff is considered a cheat and your tasks will be failed.
- Complete tasks according to the rules specified in the `Auditor`.
- The solution will be checked and graded by students like you. `Peer-to-Peer learning`.
- Also, the challenge will pass automatic evaluation which is called `Oracle`.
- If you have any questions or don't understand something, ask other students or just Google it.
- Use your brain and follow the white rabbit to prove that you are the Chosen one!

One at (1;1)

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SEE ALSO

Matrix OST - Power Plant

PUBLISHING

To share your work, you can create:

Helpful tools:

Canva

QuickTime

Examples of ways to share your experience:

Facebook

YouTube

GitHub

Telegraph

Instagram

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