CHALLENGEs are OPTIONAL

00. Create directory panda/your\_name/hw/hw-2024-05-15

00. Create directory panda/your\_name/projects/05-string-games etc.

0. Projects

00-portfolio - get some ideas, what do you want

00-tic-tac-toe - 30.04.2024

01-is-it-a-prime-number - 30.04.2024

02-css-explanator - 30.04.2024

03-questionnaire - 8.05.2024

04-binary-guessing - 16.05.2024

05-string-games - "fix the clock" and "random quote" parts - 16.05.2024

Optional Projects:

- Canvas "Breakout Game"

- "Endless Dangers" - see the description below

1. NodeJS http server: add one more part to the router in server.js

2. Random from array.

const riddles = ['Who crossed the road?',

'What happens once in a year, twice in a week and never in a month?',

'What gets more wet as it dries?',

'What is at the end of the rainbow?',

'Which 4-letter word can be written forward, backward, upside-down and still be read from left to right?',

'Which invention let you look through the wall?',

'Which English letter has most water?']

const answers = ['chicken','e','towel','w','NOON','window','c']

Create 2 buttons: "Show riddle" and "Check answer".

On click on the first button, get random riddle and show it.

On click on the second button check that the input is the right

answer (with the same index in the array "answers).

3. Number systems.

There are examples of using the algorithm at

notes/hexadecimal.txt

To submit, you could just show the process on the paper

and make a photo (or, if you prefer, to write it on an HTML page).

a) Convert B9 from hexadecimal to decimal

b) Convert 2AD64 from hexadecimal to decimal

c) Convert 7562 from decimal to hexadecimal

d) Convert 18224 from decimal to hexadecimal

4. 05-string-games - "fix the clock" and "random quote" parts

5. Get test-example01 from test dir and prepare yourself

to the test.

6. CHALLENGE. FORTUNE WHEEL - FIRST MISSION (of 2)

a. Take the start html and css files.

b. Add listener on click on the "spin" button

that enlarges number of degrees in

container.style.transform = "rotate( ... deg)"

c. Make the spins not too short

d. Add button "Renew the Wheel". Each time, that the button

is pressed - some random statements from "responses" array

should be shown in the sectors of the wheel

e. Add some music that starts when the spinning starts

and ends on "transitionend" event