CHALLENGEs are OPTIONAL

00. Create directory panda/your\_name/hw/hw-2024-06-06

00. Create directory panda/your\_name/projects/<your-nodejs-mysql>

00. Create directory panda/your\_name/projects/07-hangman 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 - small groups

05-string-games - "fix the clock","random quote",

"palindrome" and "gematria" parts - 30.05.2024

06-nim - 23.05.2024 - small groups

07-hangman - 5.06.2024 - small groups

with both "mouse click" and "keyboard" events,

with minimum of the listeners - using

event propagation

08-NodeJS-SQL-Your-Theme - choose your theme and

create database with data

Optional Projects:

- Canvas "Breakout Game"

- "Endless Dangers" - see the description below

- "Dreidel"

- "Memory Game" - see the beginning files and

the example of how to flip card inside

the "projects/optional/memory-game" dir

- "Math Practice" - Optional project of math-practice

with drops containing math exercises and

going down.

When the player types right answer,

the drop should stop or disappear or

make some other response.

- "One page site with smooth scrolling" - like YummyIsrael

1. In parallel with our project "about food"

continue your own project

08-NodeJS-SQL-Your-Theme -

choose your theme and

create database with data, create the server,

select the data and show the homepage.

Use Cookbook002

2. String Games project + regular expressions.

Everywhere in the project where use "replaceAll()" functions

to remove commas, dots, exclamation marks, spaces, etc.

use one "replace()" with regular expression

3. Regular Expressions

I.let report = 'string theory'

a) Use "test()". Check if "report" contains "ring".

If it is, say "mission succeeded", otherwise say,

"mission failed".

b) Use "test()". Check if "report" not contains "fire".

If it is not, say "mission is safe", otherwise say,

"mission compromised".

II. let words = ['cat', 'attempt', 'tattle']

a) Use "filter()" and "test" and get new array with

all the elements that contain 'tt'

b) Use "every()" and "test()" and return true if

all the elements contain "at"

c) Use "some()" and "test()" and return true if any element

contains "stat".

III. Create function hateDigits(str) that gets a string as a parameter

and shows 😄 if there are no digits, no "-", no "+", no "=",

no "<" and no ">" and returns 😠 if there is at least one

digit or one of the above mentioned characters.

The function should use ^

let strings = ['051-314-2789','<main>','Sweet Potato',

'day,noon,night,midnight','night and day', 'like night and day',

'day + night','midday - midnight','sunday = monday',

'day by day']

Run the function hateDigits over the above array "strings"

and show each element together with the result of the function call.

IV. Write a function nightAndDay(str) that gets a string as a parameter

and shows it only if it has string of "day" or "night" at

any end and in addition if the string starts with "day"

and ends with "night" shows in the beginning of it 🌞 and 🌛

in the end of it.

Use this function to go over the array "strings".

4. splice() - optional, just if you don't remember

numAr = [1,2,3,4,5,6,7,8]

a) delete 2 from the array

b) replace 6 and 7 by 666, 777 and 1001