

HTTP 5302 Lab 2

Objective

Understanding Typescript syntax, how to use it, and why it is important.

Description

Using typescript and the HTML provided for you, this lab is to practice writing your first typescript scripts and getting used to developing with a CLI. Additionally, the enum feature of typescript will be introduced here. Two incomplete problems are to be solved using typescript.

Removing commits from git

An action I do not recommend but I will demonstrate in class. If you wish to stay on the same repository but want to get rid of commits, here's a helpful stackoverflow thread:

<https://stackoverflow.com/questions/1338728/delete-commits-from-a-branch-in-git>

What the top answer is doing is resetting the local repository to a named commit, removing the commits ahead of it, then forcibly pushing that reset to the origin so the origin will match what was just pushed: resetting to a commit while removing the commits ahead of it.

Instructions

Part 1: What is the date today?

With the HTML provided, use TypeScript to display the current date in a human-friendly sentence.

Example: Today is Saturday May 12, 2018.

Use git and set this part of the lab as a commit when done.

Part 2: What day will your birthday be?

Building on the same HTML file, display the day of the week, month, day of the user's birthday for the current year. The user will provide their birthday, including year of birth, and when clicking the button provided the user will see a message containing the requested information.

Use a function to generate this message. The function will take in one parameter, a date object containing the user's birthday and return a message as a string. If the user's birthday is on the same day as the current day, the message will be "Happy birthday!" instead.

Example: Your birthday will be on Sunday May 13, 2018.

In the same repository used in part 1, this part of the lab is to be a subsequent commit.

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Evaluation

Part 1

Score	Description
0	No content.
1	
2	
3	Page displays accurate date using Typescript.
4	
5	Page displays accurate date in requested format and is uploaded to a git repository.

Part 2

Score	Description
0	No content.
1	
2	
3	Page displays user's birthday of current year using Typescript.
4	
5	Page displays user's birthday of current year and is uploaded to git as a commit to part 1.

/10

This lab is worth 5% of your grade.