

Exam Policy:

There is no tolerance policy for exams. **You will be asked to leave the exam room immediately without a warning** once you do the following things which mean you'll get **NC**.

1. You are caught cheating or trying to cheat such as look around, speak in your own language not English. You have to look straight and focus on your own exam during exam.
2. Answers should be written with a Pen or Pencil, but if you want to use a pencil please bring your own eraser, sharpener and ruler. You're not allowed to borrow from other students or proctors during exam.
3. All mobile phones should be turned off or put in your bag. All your belongings except stationary must be left in the front of the classroom before the start of the exam.
4. Restroom Policy
 - a. Maximum 10 minutes – We'll go to find you to see if you need any help.
 - b. No phone in pockets
 - c. Not allowed once a student submit his/her paper.**
5. You're not allowed to go out for water.
6. You're not allowed to ask/get extra papers from other students or proctors. All your notes must be written on the exam paper provided.
7. You're only allowed to provide 1 answer per question. If multiple answers are provided, will use the lowest grade for this question.
8. Programming Question: You must use correct JavaScript or TypeScript syntax to implement the feature match the requirement. Pseudo-code or comments to explain the logic don't get credit.
9. During the exam, if you ask questions like: professor, I forgot the syntax of this, could you help me? The answer is NO. or like Professor, is it correct? The answer is I don't know.
- 10. Please write down your answer clearly.**
- 11. For any question you don't understand, you MUST ask the proctors during the exam. If you claim the question isn't clear when/after we go over the exam solutions, don't accept any excuse.**

Exam time: June 10th 10:00 am ~12:30pm. **Arrive at least 5 minutes, so we can start on time.**

Location: V47A, V47B

Questions in the exam – Total: 40 points

1. Multiple Choices questions – 10 questions – 10 points – only 1 correct answer
 - a. Relative URL - 1
 - b. HTML – 2
 - c. CSS – 1
 - d. JS – 6
 - i. 2 of them are related to EC – See “W1D6 - Execution Context”
2. Short Answer Questions – 30 points
 - a. CSS specificity – See “W1D3 Basic CSS” - 3 points
 - b. Regular Expression – See “W1D5 - Regular Expression Exercise” – 2 questions – 4 points
 - c. JS filter, map, reduce, define a function – See “W1D6 – JSIntro” – 4 points
 - d. Execution Context – See Homework (question1, question 2) – 6 points
 - e. this keyword – See homework or “W2D2 - this keyword” – 4 points
 - i. I’ll provide you some code, you tell me what happen in the console(error vs undefined) and fix using self pattern, call, apply, bind, arrow function, wrapper.
 - f. Prototypal Inheritance – See the demos in the slides – 9 points
 - i. I’ll give you some code, you draw the diagrams of inheritance based on the code

Week 2 – Review

Lecture 6: EC

Page 1- 13, Page 32, 35 : Not in the exam,

Closure: 1 multiple choice

Only setTimeout with this keyword

Lecture 7:

Only one question – setTimeout with this keyword

Lecture 8: inheritance - Object.create + constructor function

1. Multiple choice: give a some code, console.log(), what's the result?
2. Draw prototype inheritance diagram

```
function b() {  
  const x = 10;  
  a(50);  
  function a(x) {  
    console.log(x);  
  }  
}  
  
var x = 20;  
b();
```

What's the LE of global EC after creation phase finished before execution phase starts?

- A.** {outer: null, x: 20}
- B.** {outer: global, x:10}