

CS 213: Javascript Assignment

1. Develop a web-page for Drivers License Eligibility Check, with the following HTML form elements:
 - a. Age (text box)
 - b. Submit (button)

On clicking submit button, perform the following tasks:

- a. If the age does not lie between the interval 18 to 100, display a suitable error message
 - b. If constraint is satisfied, display a suitable success message such as: **You are eligible!**
2. Develop a web-page using javascript to do the following:
 - a. `palindrome.html`
 - Accept a string through a form and declares if it's a palindrome.
 - b. `gcd.html`
 - Compute `gcd` of two numbers input through a form, and display it.
 - c. `fibonacci.html`
 - Accept an integer n , then generate first n Fibonacci numbers.
3. Create a webpage that takes a string as input, on button click, computes the most frequently occurring character and displays the output in the following format:
 - a. Input
 - `a, b, a, c, a, g, a, d, a, r, a, f, a, u`
 - b. Output
 - Most Frequent character: `a`
 - Number of occurrences: `7`
4. Develop a web-page to perform the following:
 - a. Accept the details of the User: Name, Address, Phone Number, Email ID, Educational Qualifications and Age, using suitable input elements.
 - b. On clicking submit button, the submitted information should be displayed in a table as follows:

User.Name	Kumar
User.Address	FirstStreet
User.Phone Number	9876543210
User.EmailID	kumar@gmail.com
User.Educational Qualifications	B.Tech
User.Age	19

Create class `User` with properties and function `display()`.

5. Design a webpage with a textbox and a button. Every time some text is typed in the textbox and submitted using the button, the corresponding text should be appended to a bulleted list (which is initially empty) on the same webpage.
 - a. Empty strings should not be allowed to be added to the list
 - b. The submit button should be inactive if the textbox is empty, and should become active as soon one starts typing

What to submit?

- Please zip all your files, and submit a single file named "`<roll-no>.zip`", where `<roll-no>` should be replaced with your IIT Dharwad roll number.