Assignment Day 4 | 17th July 2020

For any doubts regarding the assignment, ask questions in the Javascript Group in the Community.

Submit the Assignment by 20th July 2020 2:00 PM.

Assignment Submit Form : https://forms.gle/tmBTKNZsW1pmD4SQ8

Question 1:

Create a for loop that iterates up to 100 while outputting "fizz" at multiples of 3, "buzz" at multiples of 5 and "fizzbuzz" at multiples of 3 and 5.

Question 2:

Destructure the following object

```
const student = {
    name: "Helsinki",
    age: 24,
    projects: {
        diceGame: "Two player dice game using JavaScript"
    }
}
```

Question 3:

Imagine you are going out to do some grocery shopping.

So you have an array called shoppingList with all the products you want to buy.

Now that you are inside of the shop, you have a basket with all the products from your list, but you want to add a few more.

Create a new array called shoppingBasket, that will be a copy of the shoppingList array, and add some new products into it.

Question 4:

Make a Calculator in Javascript which can do operations as Addtion, Subtraction, Multiplication, Division, Square root, Percentage.

Question 5:

You are managing a sales department for your company, you want to reward your employees based on the sales made by them during the year.

The criteria is as follows:

1. Sales from 0-5000 : 2%
2. Sales from 5001 - 10000 : 5%
3. Sales from 10001 - 20000 : 7%
4. Above 20000 - 10%

Then log the total commission earned by him.

Question 6:

Rewrite the function using '?' or '||'

Write a loop which prompts for a number greater than 100. If the visitor enters another number – ask them to input again.

The loop must ask for a number until either the visitor enters a number greater than 100 or cancels the input/enters an empty line.

Here we can assume that the visitor only inputs numbers. There’s no need to implement a special handling for a non-numeric input in this task.

Question 7:

An integer number greater than 1 is called a prime if it cannot be divided without a remainder by anything except 1 and itself.

In other words, n > 1 is a prime if it can't be evenly divided by anything except 1 and n.

For example, 5 is a prime, because it cannot be divided without a remainder by 2, 3 and 4.

Write the code which outputs prime numbers in the interval from 2 to n.

For n = 10 the result will be 2,3,5,7.

P.S. The code should work for any n, not be hard-tuned for any fixed value

Question 8:

Replace Function Expressions with arrow functions in the code below:

```
function ask(question, yes, no) {
  if (confirm(question)) yes()
  else no();
}

ask(
  "Do you agree?",
  function() { alert("You agreed."); },
  function() { alert("You canceled the execution."); }
);
```

FAQs

Q. How to submit Assignments?

1. Create a Github public repo and name it LetsUpgrade Javascript
2. Upload the files/solution in the repo in a day wise manner.
3. Copy the URL of the Folder of that day and paste in the Assignment Submission Form (Google Form)
4. Make sure you are filling correct details in the Assignment Submission Form.
5. All the drop-downs will be available till the next day 2:00 PM

Q. When do I submit the Assignments and how?

A. All Assignments have to be submitted before 2 PM on the next day. You can use any code editor to write your assignments & Submit your Assignments.

Q. Where do I get class links for next session?

A. All sessions will be Live on Youtube from Day-1 to Day-7 at 2:00 PM, Subscribe to LetsUpgrade YouTube Channel.

Q. I have some doubt, whom do I ask?

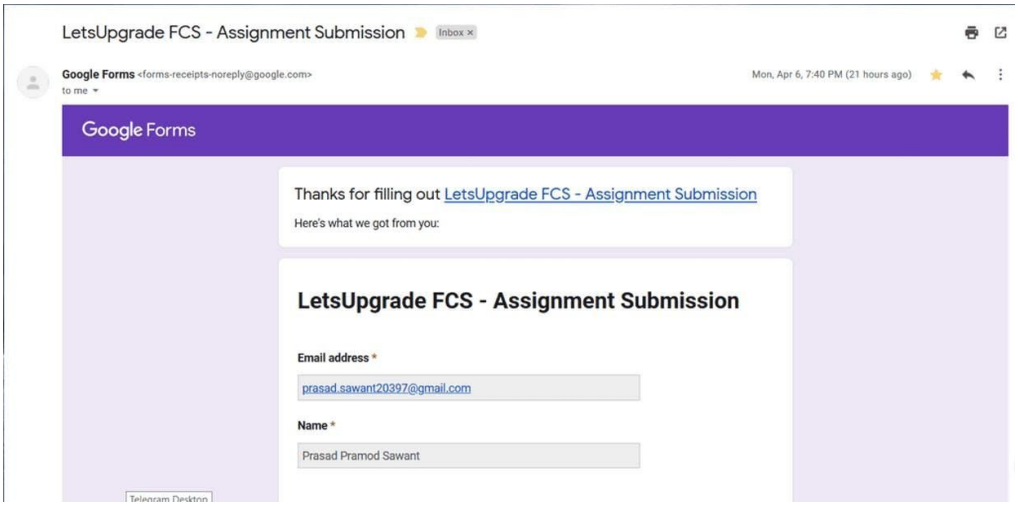
A. (a) Post your Queries on the community, someone will help you out.
(b) We have a discussion group which you can access by Joining LetsUpgrade Telegram Channel (@letsupgrade_in).

Q. Can we submit multiple .js assignment solution files for each question separately?

A. You can zip all the files together and submit. Make sure you are submitting a single file.

Q. How can we know if my assignment is verified or not?And is it successfully submitted or not?

A. You will receive a mail for your successful submission. You will get a mail like this:


LetsUpgrade FCS - Assignment Submission
Inbox ×
Google Forms <forms-receipts-noreply@google.com>
to me
Mon, Apr 6, 7:40 PM (21 hours ago)
Google Forms
Thanks for filling out LetsUpgrade FCS - Assignment Submission
Here's what we got from you:
LetsUpgrade FCS - Assignment Submission
Email address *
prasad.sawant20397@gmail.com
Name *
Prasad Pramod Sawant