Weekly Test: Sept 12th 2021 | HTML, CSS, JS, Material UIObjective: (1.5 hours)  
<https://docs.google.com/forms/d/e/1FAIpQLSfjCh-yx0vIx8EuXtTZIucePsud1AK8ywaFZzLsylFpO6-vpQ/viewform>

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Code: (3 hours)  
1. Swap variables using Destructuring Assignment of a=121, b=321.  
2. How many ways we can import a module in JS? Write one example for each with a real use case scenario.  
3. What is a Mutable and Unmutable object? Write an example with a real use case scenario.  
4. White is a function using a spread operator that prints the alphabet of "HICODER" in a new line.  
5. What is recursion? Write a program that prints the factorial of a number stored in a variable.  
Input & Output  
5 => 120  
6 => 720  
2 => 2  
6. Using splice and other methods, convert the following variable in an object and print it's key.  
cookie="id=a3fWa; Expires=Thu, 21 Oct 2021 07:28:00 GMT; Secure; HttpOnly"Expected Output:  
id is a3fWa  
Expres at Thu, 21 Oct 2021 07:28:00 GMT  
Works on HttpOnly

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Micro Feature Development: (Submit by Monday 04:00 PM using same CODE Submission form, share final app screenshot in slack)1. Visit [https://optinmonster.com](https://optinmonster.com/). You will see a notification in the bottom left of the webpage telling "Person X purchased this 24 hours ago" after the page is loaded. Design that using HTML, CSS, JS and show it in between 10-20 seconds after page is loaded.  
Note: Focus on the feature of showing notification design accurately, landing page design doesn't matter much in this case.2. Design an email option feature(similar to <https://www.hellobar.com/>) that loads an email opting form on the top of a webpage after few seconds from the page loaded.  
2.1. Show a stripe with "Get Started"  
2.2. When clicked on "Get Started", show a form asking their Name, Email with a submit button.  
Note: Focus on the feature of showing form UI, UX accurately, landing page design doesn't matter much in this case.3. Design a VS code Download Page where the button changes as per the device it is loaded with.  
3.1: If the device is running Windows OS, show the Microsoft logo with a clickable link to [https://www.microsoft.com](https://www.microsoft.com/).  
3.2: If the device is running Android OS, show the android logo with a clickable link [https://www.android.com](https://www.android.com/).  
3.3: If the device is running Mac OS, Show the Apple logo with a clickable link [https://www.apple.com](https://www.apple.com/).  
3.3: If the device is running Ubuntu OS, Show the Apple logo with a clickable link <https://ubuntu.com/>.  
Note: Focus on the feature of showing different buttons accurately, landing page design doesn't matter much in this case.