JS 2- Javascript Fundamentals ASYNC (1 Hours 30 mins)

Learning Objectives	● Regular expressions ● Map, Find, Filter, Sort, Reduce

Time	Activity
(3 min)	**OPENING**
(1 hours 45 min)	**CONTENT**
(10 min)	**DEBRIEF**
(2 min)	**CLOSING**

OPENING (3 min)

Activity Type	Reading
Framing Text	Welcome to this session in which you be able to work on some advance functions In this section you will be able to work on programming question that will help you to understand JavaScript programming well. You have to complete all the questions By the end of this session, you will be able to: ● Regular expressions ● Map, Find, Filter, Sort, Reduce
Assets	● n/a

CONTENT (1 hours 10 min)

JS 2- Javascript Fundamentals ASYNC (1 Hours 30 mins)

Activity Type	Coding
Framing Text	This will take you approximately **1 hr 30 mins** to complete. After completing it, you will return to code files by zipping in the folders for a debrief. **Complete:** Happy coding! <table><tr><td>**Note**: Please reach out to instructors asking for help if you get stuck with understanding of questions</td></tr></table>
Assets	- Write a JavaScript function to count the number of vowels in a given string. - Write a JavaScript program to test the first character of a string is uppercase or not. - Write a JavaScript program to check a credit card number. - Write a JavaScript program to count number of words in string. - Write a pattern that matches e-mail addresses: - The personal information part contains the following ASCII characters. - Uppercase (A-Z) and lowercase (a-z) English letters. - Digits (0-9). - Characters ! # $ % & ' * + - / = ? ^ _ ` { | } ~ - Character . (period, dot or fullstop) provided that it is not the first or last character and it will not come one after the other. For instructor use only: Feel free to add more exercises to the session, also the above exercises were taken from https://www.w3resource.com/javascript-exercises/javascript-regexp-exercises.php#EDITOR

DEBRIEF (15 min)

Activity Type:	Discussion Forum to check learners' comprehension of the session.