Assignment 1

Week - 1

Solution Instructions:

- Use your own name where I have used mine (HASEEB).
- For each question make a separate file and call it q1.js, q2.js and so on

Submission Instructions:

- Use the snipping tool to take a screenshot of each question's output and submit with the solution, your screenshot should be named the same as the question. E.g q1.png, q2.png and so on.
- You will have 20 files (10 js and 10 png), put the in a single folder.
- Name the folder like this "HaseebArshad-Assignment-1" (use your own name)
- ZIP the folder and submit on LMS under "Assignment 1"
- Deadline is Wednesday night (12-Oct-2022 11:59PM)

Question - 1 (using push)
Declare and initialize an empty array and add your first name into it character by character.
If your name is Haseeb, your output should look like ['H', 'A', 'S', 'E', 'E', 'B']

Question - 2 (using unshift)
Declare and initialize an empty array and add your first name into it character by character.
If your name is Haseeb, your output should look like ['H', 'A', 'S', 'E', 'E', 'B']

Question - 3 (using shift)
Declare and initialize an array with your full name
If your name is Haseeb Arshad, your array should look like ['H', 'A', 'S', 'E', 'E', 'B', '', 'A', 'R', 'S', 'H', 'A', 'D'] initially.
Now remove your first name from the array.
Your output should look like ['A', 'R', 'S', 'H', 'A', 'D']

Question - 4
Declare and initialize an array with your first name
If your name is Haseeb, your array should look like ['H', 'A', 'S', 'E', 'E', 'B'] initially.
How can you find what your name spells backward? Write a program that would log on the output screen your name backwards.
If your name is Haseeb, your output should look like ['B', 'E', 'E', 'S', 'A', 'H']

Question - 5
Declare and initialize an array, a boolean, a string, a number and an object named a, b, c, d and e respectively. Log the type of each variable on the console.

Question - 6
Declare and initialize two numbers a and b. Log the result of adding, subtracting, multiplying, dividing and mod of both numbers.

Question - 7
Declare and initialize a string with your first name "Haseeb", convert this string into an array, reverse the array and convert it back into a string.
Your Output should look like "beesaH"

Question - 8
Declare and initialize a string with your full name "Haseeb Arshad", convert the string onto an array. Remove your first name from the array using slice and convert the array back into a string.
Your Output should look like "Arshad"

Question - 9
Declare and initialize a string with your full name "Haseeb Arshad", convert the string onto an array. Remove your last name from the array using splice and convert the array back into a string.
Your Output should look like "Haseeb"

Question - 10
Declare and initialize a string with this text "The Quick Brown Fox, Jumps Over the Lazy Dog". replace the word "Quick" with "Slow", "Brown" with "Green", "Fox" with "Turtle", "Jumps" with "Wins" and "Dog" with "Race". Also remove the words "Over" and "Lazy".
Your Output should look like "The Slow Green Turtle, Wins the Race"