

JAVASCRIPT ASSIGNMENT-4

1. Write a program that
 - a. Store correct password in a JS variable.
 - b. Asks user to enter his/her password
 - c. Validate the two passwords:
 - i. Check if user has entered password. If not, then give message “Please enter your password”
 - ii. Check if both passwords are same. If they are same, show message “Correct! The password you entered matches the original password”. Show “Incorrect password” otherwise.
2. This if/else statement does not work. Try to fix it:

```
var greeting;  
var hour = 13;  
if (hour < 18) {  
  greeting = "Good day";  
else  
  greeting = "Good evening";  
}
```

3. Arrays

- a. Declare an empty array using JS literal notation to store student names in future.
 - b. Declare an empty array using JS object notation to store student names in future.
 - c. Declare and initialize a strings array.
 - d. Declare and initialize a numbers array.
 - e. Declare and initialize a boolean array.
 - f. Declare and initialize a mixed array.
 - g. Declare and Initialize an array and store available education qualifications in Pakistan (e.g. SSC, HSC, BCS, BS, BCOM, MS, M. Phil., PhD).
4. Initialize an array with color names. Display the array elements in your browser.
- a. Ask the user what color he/she wants to add to the beginning & add that color to the beginning of the array. Display the updated array in your browser.
 - b. Ask the user what color he/she wants to add to the end & add that color to the end of the array. Display the updated array in your browser.
 - c. Add two more color to the beginning of the array. Display the updated array in your browser.
 - d. Delete the first color in the array. Display the updated array in your browser.
 - e. Delete the last color in the array. Display the updated array in your browser.

f. Ask the user at which index he/she wants to add a color & color name. Then add the color to desired position/index. .
Display the updated array in your browser.

g. Ask the user at which index he/she wants to delete color(s) & how many colors he/she wants to delete. Then remove the same number of color(s) from user-defined position/index. .
Display the updated array in your browser.

5. Write a program to store student scores in an array & sort the array in ascending order using Array's sort method.
6. Write a program to store phone manufacturers (Apple, Samsung, Motorola, Nokia, Sony & Haier) in an array. Display the following dropdown/select menu in your browser using document.write() method:
7. Write a program to print multiplication table of any number using for loop. Table number & length should be taken as an input from user.
8. Generate the following series in your browser. See example output.
 - a. Counting: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
 - b. Reverse counting: 10, 9, 8, 7, 6, 5, 4, 3, 2, 1
 - c. Even: 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20
 - d. Odd: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19
 - e. Series: 2k, 4k, 6k, 8k, 10k, 12k, 14k, 16k, 18k, 20k
9. You have an array A = ["cake", "apple pie", "cookie", "chips", "patties"] Write a program to enable "search by user input" in an array. After searching, prompt the user whether the given item is found in the list or not.

10. Write a program that takes user input. Convert and show the input in title case.
11. Write a program that takes user input. Convert and show the input in capital letters.
12. Write a program that converts a string “472” to a number 472. Display the values & types in your browser.