

Assignment

1. Create a Digital Clock using html, css , JS obviously, And add two buttons below the clock to toggle timing between 24-12 hour. Set AM/PM depending on the hour value. The *Date* object works in 24-hour format so we change hour back to 1 when it gets larger than 12. The AM/PM also changes according to that. And if hour, min or seconds are less than 10 then add 0 before that example:

9:10:6 -----> 09:10:06

2. Write a simple JavaScript program to join all elements of the following array into a string.

Sample array : `myColor = ["Red", "Green", "White", "Black"];`

Expected Output :

"Red,Green,White,Black"

"Red,Green,White,Black"

"Red+Green+White+Black"

3. Write a JavaScript program to sort the items of an array.

Sample array : `var arr1 = [3, 8, 7, 6, 5, -4, 3, 2, 1];`

Sample Output : -4,-3,1,2,3,5,6,7,8

4. Write a JavaScript program to find the most frequent item of an array.

Sample array : `var arr1=[3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9, 3];`

Sample Output : a (5 times)

5. Write a JavaScript program to add items in an blank array and display the items.

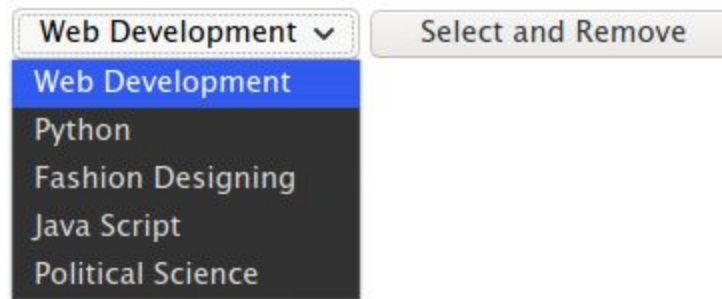
Sample Screen :

Element 0 = 10
Element 1 = 20
Element 2 = 40
Element 3 = 39
Element 4 = 99

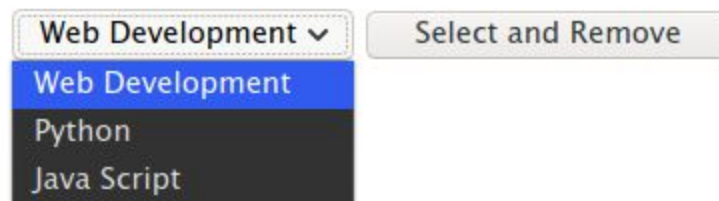
6. Write a JavaScript program to remove duplicate items from an array (ignore case sensitivity)
7. Write a JavaScript program to remove items from a dropdown list.

Sample HTML file :

```
<!DOCTYPE html>
<html><head>
<meta charset=utf-8 />
<title>Remove Course which is not offered by SkillSanta from a dropdown
list</title>
</head><body><form>
<select id="colorSelect">
<option>Web Development</option>
<option>Python</option>
<option>Fashion Designing</option>
<option>Java Script</option>
<option>Political Science</option>
</select>
<input type="button" onclick="removecolor()" value="Select and Remove">
</form></body></html>
```



Before Operation:



After Operation: