

BCSE203E- Web Programming

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Task 1

Create a web page that sorts numbers entered by a user by using HTML form element. You are to create the web page as depicted as follows

HTML CODE :-

```
closeCyPE thata}
chat lang="en">
chead
cmeta charset="UF-8">
cmeta charset="UF-8">
cmeta name="vicaport" content="width=device-width, initial-scale=1.0">
cillar cal="stylesport" content="width=device-width=device-width=device-width=device-width=device-width=device-width=device-width=device-width=device-width=device-width=device-width=device-width=device-width=device-width=device-width-device-width=device-width-device-width-device-width-device-width-device-width-device-width-device-width-device-width-device-width-device-width-device-width-device-width-device-width-device-width-device-width-device-width-device-width-device-width-device-width-device
```

CSS CODE:-

JAVASCRIPT CODE :-

```
function sortNumbers(event) {
    event.preventDefault();
}

let a = parseFloat(document.getElementById("A").value);
let b = parseFloat(document.getElementById("C").value);
let c = parseFloat(document.getElementById("C").value);
let numbers = [a, b, c];

numbers.sort(function (a, b) {
    if (a v b) return = 1;
    return 0;
});

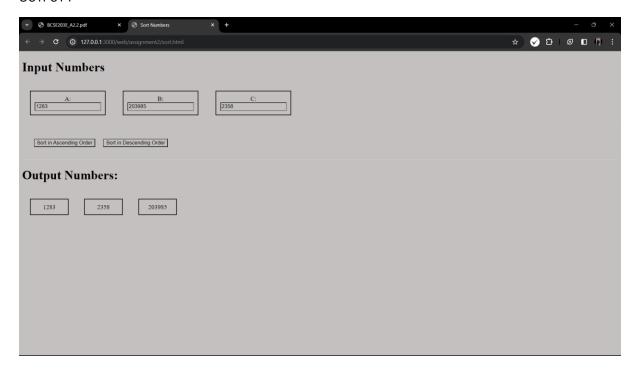
displayNumbers(numbers);
}

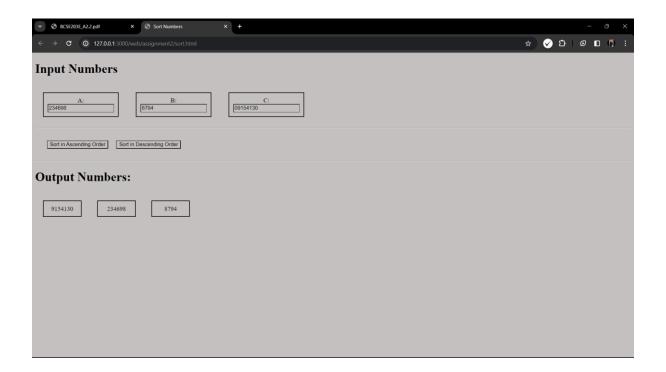
function sortAscending() {
    let a = parseFloat(document.getElementById("A").value);
    let b = parseFloat(document.getElementById("A").value);
let b = parseFloat(document.getElementById("C").value);
let c = parseFloat(document.getElementById("C").value);
let numbers = [a, b, c];

numbers.sort(function (a, b) {
    if (a v b) return = 1;
        return 0;
});

displayNumbers(numbers);
}

function sortOescending() {
    let a = parseFloat(document.getElementById("A").value);
    let b = parseFloat(document.getElementById("A").value);
let b = parseFloat(document.getElementById("A").value);
let b = parseFloat(document.getElementById("A").value);
let b = parseFloat(document.getElementById("A").value);
let c = parseFloat(document.getElementById("A").value);
let c = parseFloat(document.getElementById("A").value);
let numbers.sort(function (a, b) {
    if (a c b) return = 1;
        return 0;
});
```

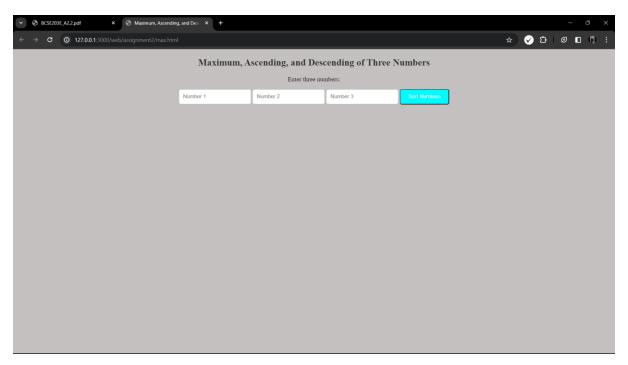


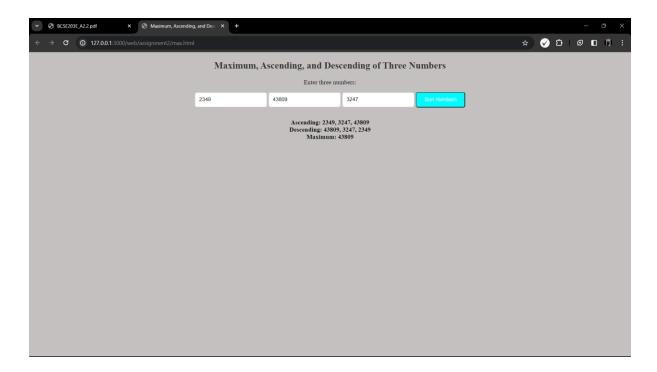


TASK 2

1. Write a function which returns the maximum, ascending and descending of three number CODE:-

```
background-color: ■#c4c0c0;
                color: ■#666;
               margin-bottom: 10px;
border: 1px solid ■#ccc;
border-radius: 5px;
               padding: 10px 20px;
background-color: ■#00fbff;
                color: ■#fff;
                font-weight: bold;
<input type="number" id="num1" placeholder="Number 1">
<input type="number" id="num2" placeholder="Number 2">
<input type="number" id="num3" placeholder="Number 3">
<button onclick="sortNumbers()">Sort Numbers</button>
     function sortNumbers() {
  function sortNumbers() {
   var num1 = document.getElementById("num1").value;
   var num2 = document.getElementById("num2").value;
   var num3 = document.getElementById("num3").value;
   num1 = Number(num1);
   num2 = Number(num2);
   num3 = Number(num3);
   var max = Math.max(num1, num2, num3);
   var sortedNums = [num1, num2, num3].sort(function(a, b) {
      return a - b;
};
 sortedNums.sort(function(a, b) {
```

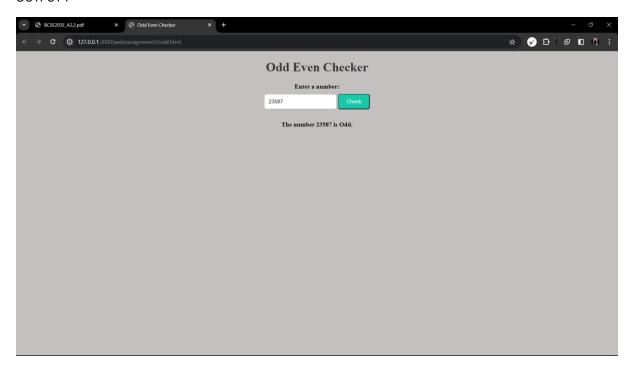


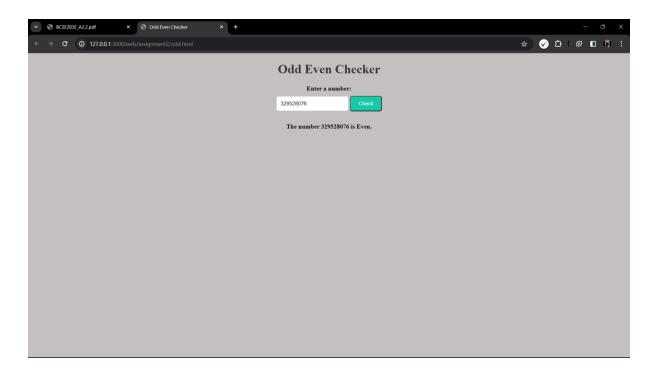


2. Write a function which checks number till given input/parameter is odd or even

CODE:-

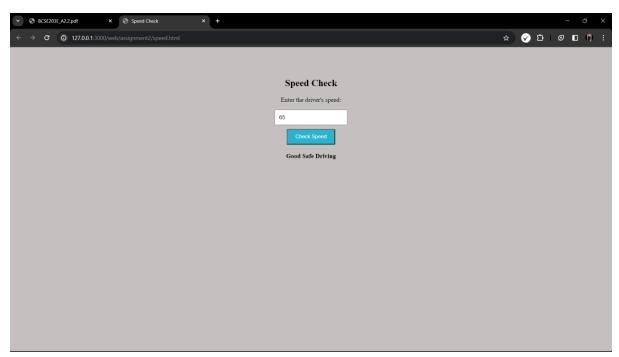
```
<!DOCTYPE html>
<html lang="en">
                background-color: ■#c4c0c0;
           input[type="number"] {
   padding: 10px;
   margin-bottom: 10px;
   border: 1px solid ■#ccc;
               padding: 10px 20px;
background-color: ■#16caa9;
color: ■#fff;
border-radius: 5px;
                margin-top: 20px;
font-weight: bold;
                color: Dblack;
                 let num = parseInt(document.getElementById("numberInput").value);
let result;
if (num % 2 === 0) {
   result = "Even";
                  document.getElementById("result").innerText = `The number ${num} is ${result}.`;
```

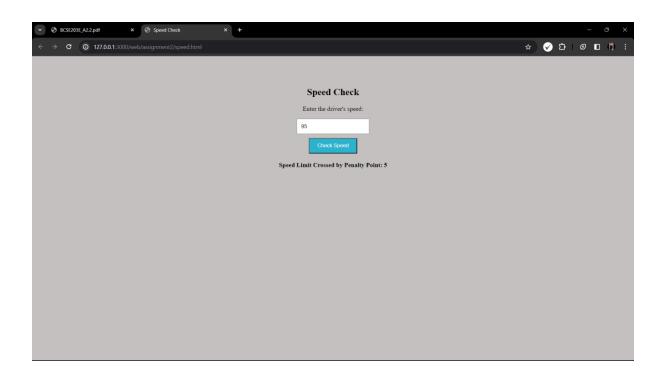


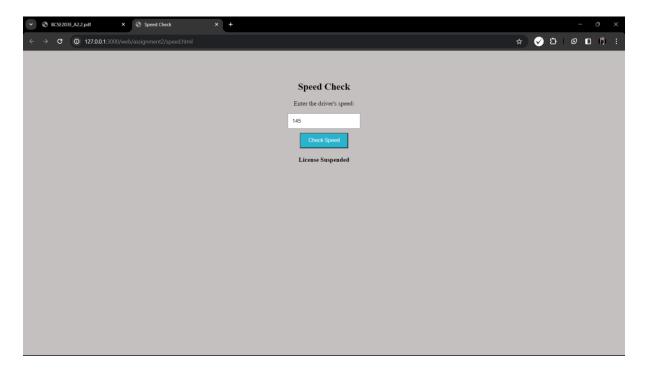


- **3.** Write a function which checks given input/parameter:
- If input/parameter is below speedlimit of 70 print => 'Good Safe Driving'
- If input/parameter is above speedlimit of 70, every 5 kilometers is Penalty Point, print => 'Speed Limit Crossed by Penalty Point' + Point
- If Driver gets more than 10 penalty points ie. above the speed limit 120, print => 'License Suspended'

CODE:-







Task 3

Design an Event management website which includes the following webpages.

1. Index .html 2. Login.html 3. Event Registration form.html

Apply JavaScript for validating all fields in the Login.html and Event Registration form.html JavaScript Validation guidelines

- 1. Validate whether a given value is an empty or not and alert the user.
- 2. Password validation and confirm password check.
- 3. Validate whether a given value is a character or not.
- 4. Validate whether a given value is a phone number using regular expression.
- 5. Validate whether a given value is a email using regular expression.
- 6. Tab validation
- 7. Radio button, checkbox, text area validation.

INDEX CODE:-

LOGIN CODE :-

```
clDOCTYPE html>
chtml lang="en">
chtml lang="en">
chead>

desta charset="UTF-8">
cmeta name="viewport" content="width-device-width, initial-scale=1.0">
citile>login</title>
clink rel="stylesheet" href="ST.css">
cscript src="validation.js" defer></script>
chado

chody>
cheader>
chlslogin</hl>
chader>
chlslogin</hl>
chader>
clome id="loginform" action="#">
c
```

EVENT REGISTER FORM CODE:-

```
(IDOCTYPE html)
(thtml langs"em" (ITE-8")
(Aceta charset="UTF-8")
(Aceta charset="UTF-8")
(Aceta anmes="viewport" content="width=device-width, initial-scale=1.0")
(itik neal="style=sheet" heref="style=.css")
(citle)Event Registration(/title)
(link real="style=sheet" heref="style=.css")
(script src="validation.js" defer></script>
(fosads)
(body)
(cheader)
(form id="eventRegistrationForm" actions"#")
(div)
(clabel for="fullName">full Name:(flabel)
(cliput type="text" id="fullName" name="fullName")
(div)
(label for="email")Email:(flabel)
(input type="mail" id="email" name="email")
(div)
(div)
(dibel for="phone">Phone:(flabel)
(input type="text" id="phone" name="phone")
(div)
(dibel for="phone">Phone:(flabel)
(sinput type="text" id="phone" name="phone")
(div)
(dibel for="event")Event:(flabel)
(select id="event" name="event")
(select id="event" name="event")
(option value="sominan")Seminan
(option value="sominan">Seminan
(option value="sominan">Seminan
(option value="sominan">Seminan
(div)
(di
```

CSS CODE:-

```
| body {
| font-family: Arial, sans-serif; | mangin: 0; | mangin: 0;
```

JAVA SCRIPT CODE :-

```
window.addEventListener('DOMContentLoaded', () => {
    const loginForm = document.getElementById('loginForm');
    const eventRegistrationForm = document.getElementById('eventRegistrationForm');

loginForm.addEventListener('submit', (e) => {
    e.preventDefault();
    validateLoginForm();
});

eventRegistrationForm.addEventListener('submit', (e) => {
    e.preventDefault();
    validateEventRegistrationForm();
}

function validateLoginForm() {
    const username = document.getElementById('username').value.trim();
    const password == document.getElementById('password').value.trim();
    if (username === '') {
        alert('Please enter a username');
        return;
    }
    if (password === '') {
        alert('Please enter a password');
        return;
    }
    if (password.length < 6) {
        alert('Password must be at least 6 characters long');
        return;
}

alert('Login successfull');
loginForm.submit();
}
</pre>
```

```
function validateEventRegistrationForm() {
    const fullName = document.getElementById('fullName').value.trim();
    const mull a document.getElementById('mail').value.trim();
    const phone = document.getElementById('phone').value.trim();
    const coment = document.getElementById('comments');
    const coments = document.getElementById('comments').value.trim();
    if (fullName === '') {
        alert('Please enter your full name');
        return;
    }
    if (email === '') {
        alert('Please enter your email');
        return;
}

const emailRegex = /^[\seta] +@[\seta] + \cents[\seta] + \cents[\seta
```

