18/10/24

ASSIGNMENT - 2
CSA4317

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1. HTML:

```
<button id="change-appereance">change.
  Appereance</button>
    <p id="paragraph">lorem ipsum dolor.
      <span class="height light">sit amet</span>,
      constructor adipiscing elit</p>.
```

CSS:

```
  fontsize: 18px;
}
highlight {.
}background.color: yellow;
}highlight.hover{.
    background-color.orange;
}
  changed-appereance{
    fontsize: 24px;
  color: blue;
}
```

Java Script;

```
const paragraph=document.getelementById
                (paragraph);
Const button=document.get elementbyId(change.
                appereance)
button.add event listener('click',()=>{
paragraph.classList.toggle(changed-appereance);
});
```

2. HTML:

```
input id="num1" type="number">
input id="num2" type="number">
  button id="check"> check equal>
   input id="word" type="text">
    button id="Search"> Search word.
     paid="result"
```

JavaScript -

```
const num1=
document.get element (num1)
const num2= document.getelement byid (check)
const num word document.getelement byid,
```

3) HTML

```
<form id=form>
Name: <input type="text">
      id="Name"
Email: input type="email
      Submit</button>
        </form>
```

Java Script:

```
const form =document.
  const submbutton
document.get element (Submit);
```

HTML:-

```
<div class="red" onmouseover="document.body.
    background color="red"></div>
<div class="green" = document.body
  style.background color = green></div>
  button onclick = "window.Scroll by(1,0)
    (() => window.Scroll by(-1,0)."> Shake
                </button>
```

CSS:-

```
red: { background-color: red; width, height
        150px }
```

5) Document object model is like a map of a HTML

creating HTML elements.

1. Created element
2. Add text
3. Append to parent
4. document-get element
5. document.getelemen

6) Regular expression

1. validate data
2. Search text
3. format input

Password validation example

Regex pattern ^(?=*[A-Z]

8* characters

1* uppercase

1+number

7) HTML:-

<button onclick = showtext() &how</button>

<button onclick = "hide Text()" Hide

 id = text

CSS:-

red {background-color)

.blue {background

HTML:-

<img src = "image 1.jpg.

<image 1.jpg image jpg. image 1.

<Span. onmouseover = "this style.color: red' this style

color = black. this style.fontweight - normal

>Hover over

me 1

1) HTML:-

<Input type: text "id - search onkeyup. "auto.

<div id= " suggestions

function autocomplete

const input = document

const. query = . input

if(query. length)

fetch(Lauto complete? q: tquery)

then(' Lauto complete > response json)

Server. Side Code(Node js)

Const - create (req. res);

http: create server (req. res) {

HTML:-

```
<input id="num" type="number
<button onclick="calculator">calculate
<p id="res"></p>
```

Java script

```
function calculate(){
  const num = num value
  is{ isPalindrome(num){
    function factorial(n){
      return n*(n-1)||1;
  }
    function sumdigits(n){
  return [...n].reduce((a,b)
  function is palindrome
  return
}.
```