Lecture 32

DOM Learning on Chai aur Code

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```
> document.getElementById('title')
<   <h1 id="title" class="heading">DOM Learning on Chai aur Code</h1>
> document.getElementById('title').id
<   'title'
> document.getElementById('title').class
<   undefined
> document.getElementById('title').className
<   'heading'
> document.getElementById('title').getAttribute('id')
<   'title'
> document.getElementById('title').getAttribute('class')
<   'heading'
> document.getElementById('title').setAttribute('class', 'test') // overwrites always
<   undefined
> document.getElementById('title').setAttribute('class', 'testing heading') // 2 set ho gye
<   undefined
> const title = document.getElementById('title')
<   undefined
> title
<   <h1 id="title" class="testing heading">DOM Learning on Chai aur Code</h1>
> title.style.backgroundColo
<   undefined
> title.style.backgroundColor = 'green'
<   'green'
> title.style.padding = '15px'
<   '15px'
> title.style.borderRadius = '25px'
<   '25px'
```

DOM Learning on Chai aur Code

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```
> title
<   ▼<h1 id="title" class="heading">
      "DOM Learning on Chai aur Code "
      <span style="display: none;">Test Text</span>
    </h1>
> title.innerHTML
<   'DOM Learning on Chai aur Code <span style="display: none;">Test Text</span>'
> title.innerText
<   'DOM Learning on Chai aur Code'
> title.textContent
<   'DOM Learning on Chai aur Code Test Text'
```
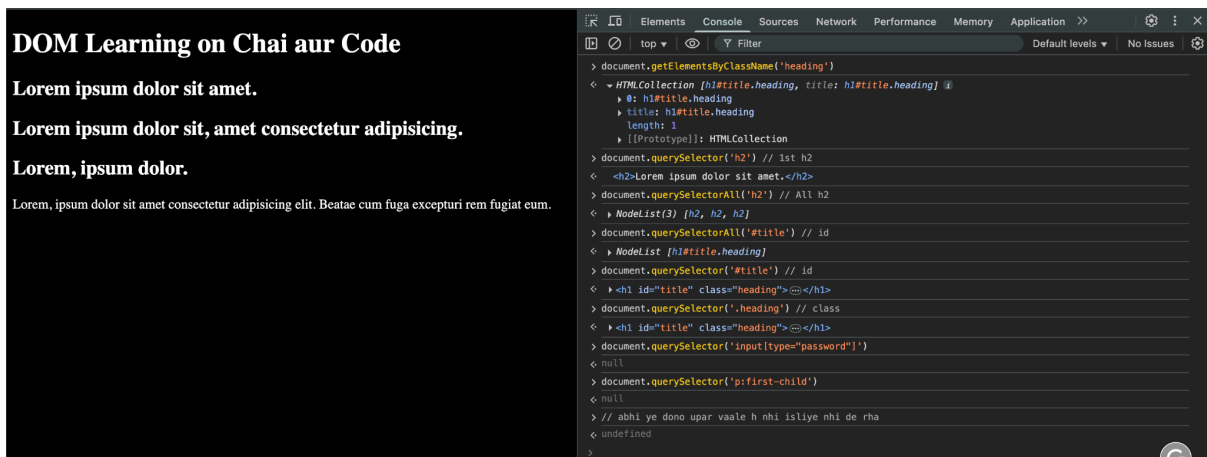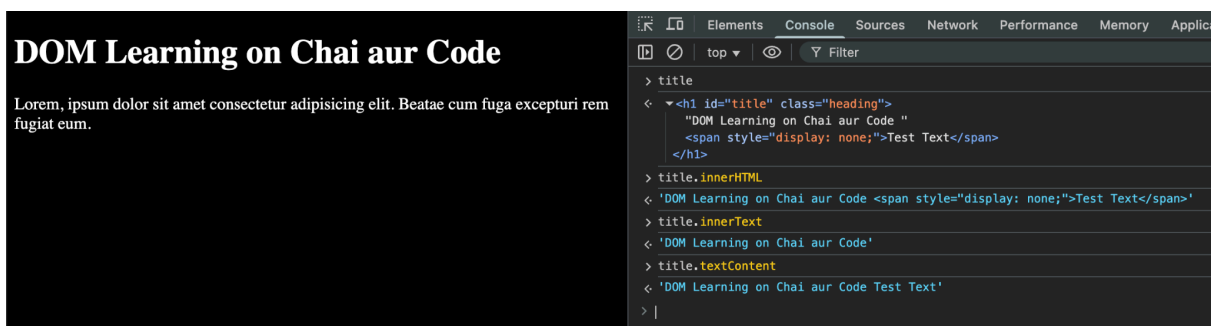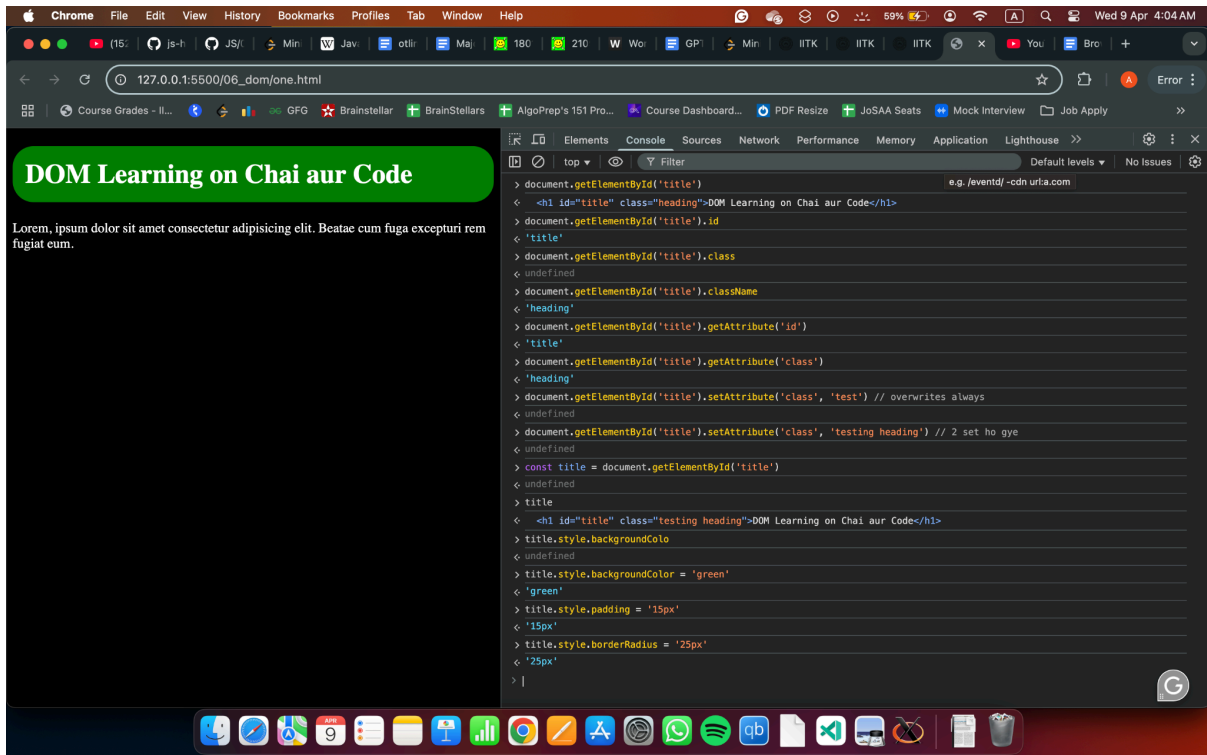
DOM Learning on Chai aur Code

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```
> document.getElementsByClassName('heading')
<   ▼HTMLCollection [h1#title.heading, title: h1#title.heading] i
      ▶0: h1#title.heading
      ▶title: h1#title.heading
      length: 1
      ▶[[Prototype]]: HTMLCollection
> document.querySelector('h2') // 1st h2
<   <h2>Lorem ipsum dolor sit amet.</h2>
> document.querySelectorAll('h2') // All h2
<   ▶NodeList(3) [h2, h2, h2]
> document.querySelectorAll('#title') // id
<   ▶NodeList [h1#title.heading]
> document.querySelector('#title') // id
<   ▶<h1 id="title" class="heading">⋯</h1>
> document.querySelector('.heading') // class
<   ▶<h1 id="title" class="heading">⋯</h1>
> document.querySelector('input[type="password"]')
<   null
> document.querySelector('p:first-child')
<   null
> // abhi ye dono upar vaale h nhi isliye nhi de rha
<   undefined
>
```

DOM Learning on Chai aur Code

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- hehheheh
- Item 2
- Item 3

Elements Console Sources Network Performance Memory Application »

top ▾   Filter   Default levels ▾   No Issues   3 hidden

```
> const myul = document.querySelector('ul')
< undefined
> myul
  ▾<ul>
    ▸<li>…</li>
    ▸<li>…</li>
    ▸<li>…</li>
   </ul>
> const turnGreen = myul.querySelector('li')
< undefined
> turnGreen.style.backgroundColor = "green"
< 'green'
> turnGreen.style.padding = "20px"
< '20px'
> turnGreen
< ▾<li style="background-color: green; padding: 20px;">
    ::marker
    "Item 1"
   </li>
> turnGreen.innerText = "hehheheh"
< 'hehheheh'
>
```

DOM Learning on Chai aur Code

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- Item 1
- Item 2
- Item 3

Elements Console Sources Network Performance Memory Applic

top ▾   Filter

```
> const temp_li = document.querySelectorAll('li')
< undefined
> temp_li // this is not a proper array, doesn't even have map n all
< ▸ NodeList(3) [li, li, li]
> temp_li[1].style.backgroundColor = 'red'
< 'red'
> temp_li.forEach(function (l) {
    l.style.color = 'green'
  })
< undefined
>
```

DOM Learning on Chai aur Code

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- Item 1
- Item 2
- Item 3
- Item 4

Elements Console Sources Network Performance Memory Application Lighthouse » ⊗1

top ▾   Filter   Default levels ▾   No Issues

```
> document.getElementsByClassName('list-item')
< ▾ HTMLCollection(4) [li.list-item, li.list-item, li.list-item, li.list-item] ⓘ
    ▸ 0: li.list-item
    ▸ 1: li.list-item
    ▸ 2: li.list-item
    ▸ 3: li.list-item
      length: 4
    ▸ [[Prototype]]: HTMLCollection
> const temp_class = document.getElementsByClassName('list-item') // HTMLCollection is different from NodeList
< undefined
> temp_class
< ▸ HTMLCollection(4) [li.list-item, li.list-item, li.list-item, li.list-item]
> temp_class.forEach(function () { console.log(li) })
⊗ ▸ Uncaught TypeError: temp_class.forEach is not a function        VM10807:1
        at <anonymous>:1:12
> // forEach doesn't exist for HTMLCollection
< undefined
> const temp_class_arr = Array.from(temp_class) // array mei convert ho gya, Capital Array likha h
< undefined
> temp_class_arr.forEach(function (li) {
    li.style.color = 'orange'
  })
< undefined
>
```