**Q - Types of Comments**

**1. Single Line Comments**

//

**2. Multi Line Comments**

/\* \*/

**Q - Types of Variables**

-> **There are 3 Types of Variables**

**1. var** -> Same Variable name declare multiple times or value assign multiple times.

**2. let** -> Same Variable name not declare multiple times or Value assign multiple times.

**3. const** -> one time declare variable and assign the value after assign value for same variable for show error.

**Q - Different Type of Data-types in JavaScript**

var x = "Hello World"; ----> **String**

var x = 25; ----> **Number**

var x = true; ----> **Boolean**

var x = ["HTML","CSS","JS"] ----> **Array**

var x = {first:"Abc",last:"Xyz"}; ----> **Object**

var x = null; ----> **null**

var x; ----> **Undefined**

**Q - Arithmetic Operators**

+ Addition

- Subtraction

\* Multiplication

/ Division

% Modulus(Reminder)

\*\* Exponentiation

++ Increment

-- Decrement

**Q - Assignment Operators**

= X=Y

+= X=X+Y

-= X=X-Y

\*= X=X\*Y

/= X=X/Y

%= X=X%Y

\*\*= X=X\*\*Y

**Q - Comparison Operators**

== equal to

!= not equal

> greater than

< less than

>= greater than or equal to

<= less than or equal to

**Q - Logical Operators**

&& AND

|| OR

! NOT

**Q - Multiple Events in JavaScript**

**1. Click Event**

Click (onclick)

Double Click (ondblclick)

Right Click (oncontextmenu)

**2. Mouse Event**

Mouse Hover (onmouseenter)

Mouse Out (onmouseout)

Mouse Down (onmousedown)

Mouse Up (onmouseup)

**3. Key-Press Event**

Key Press (onkeypress)

Key Up (onkeyup)

**4. Page Event**

Load (onload)

Unload (onunload)

Resize (onresize)

Scroll (onscroll)

**Q - Types of Loops in JavaScript**

1. While loop

2. do/while loop

3. for loop

4. for/in loop (Objects)

5. forEach (Array)

**Q - JavaScript Array Methods**

1. sort()
2. reverse()
3. pop()
4. push()
5. shift()
6. unshift()
7. concat()
8. join()
9. slice()
10. splice()
11. isArray()
12. indexOf()
13. lastIndexOf()
14. entries()
15. every()
16. filter()
17. find()
18. findIndex()
19. includes()
20. some()
21. forEach()
22. toString()
23. valueOf()
24. fill()

**Q – JavaScript String Methods**

1. length 🡪 **This is Property**
2. toLowerCase()
3. toUpperCase()
4. includes()
5. startsWith()
6. endsWith()
7. search()
8. match()
9. indexOf()
10. lastIndexOf()
11. replace()
12. trim()
13. charAt()
14. charCodeAt()
15. fromCharCode()
16. concat()
17. split()
18. repeat()
19. slice()
20. substr()
21. substring()
22. toString()
23. valueOf()

**Q – JavaScript Number Methods**

1. number()
2. parseInt()
3. parseFloat()
4. isFinite()
5. isInteger()
6. toFixed(x)
7. toPrecision(x)

**Q – JavaScript Math Methods**

1. ceil(x)
2. floor(x)
3. round(x)
4. trunc(x)
5. max(x,y,z, ...,n)
6. min(x,y,z, …,n)
7. sqrt(x)
8. cbrt(x)
9. pow(x,y)
10. random()
11. abs(x)
12. PI

**Q – JavaScript Date Methods**

1. toDateString()
2. getDate()
3. getFullYear()
4. getMonth()
5. getDay()
6. getHours()
7. getMinutes()
8. getSeconds()
9. getMilliseconds()
10. setDate()
11. setFullYear()
12. setHours()
13. setMilliseconds()
14. setMinutes()
15. setMonth()
16. setSeconds()

**Q – Target DOM Object**

* **Important DOM Objects**
* **Id =>** document.getElementById(id)
* **Class Name =>** document.getElementsByClassName(name)
* **Tag Name =>** document.getElementsByTagName(name)
* **Other DOM Methods**
* document
* document.all
* document.documentElement
* document.head
* document.title
* document.body
* document.images
* document.anchors
* document.links
* document.forms
* document.doctype
* document.URL
* document.baseURI
* document.domain