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Frontend-Assignment

Q1:What's the difference between "var", "let", and "const" with suitable example?

Ans:var variables can be updated and re-declared within its scope; let variables can be updated but not re-declared; const variables can neither be updated nor re-declared. They are all hoisted to the top of their scope but while var variables are initialized with undefined , let and const variables are not initialized

Q2:What will happen if an infinite while loop is run in Javascript?

Ans:An infinite loop will run forever, but the program can be terminated with the break keyword

Q3: List HTML DOM mouse events?

Ans:DOM event types

- mouse events (MouseEvent): mousedown, mouseup, click, dblclick, mousemove, mouseover, mousewheel, mouseout, contextmenu.
- touch events (TouchEvent): touchstart, touchmove, touchend, touchcancel.
- keyboard events (KeyboardEvent): keydown, keypress, keyup.
- form events: focus, blur, change, submit.

Q4:How to get the last index of a string in Javascript?

Ans:JavaScript String lastIndexOf() Method

Q5:Write a program for Fibonacci series in JavaScript 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, ...

Ans:<script type = "text/javascript">

```
function fibonacci(num)
{
    var num1=0;
    var num2=1;
    var sum;
    var i=0;
    for (i = 0; i < num; i++)
```

```

    {
        sum=num1+num2;
        num1=num2;
        num2=sum;
    }
    return num2;
}

document.write("Fibonacci(5): "+fibonacci(5)+"<br>");
document.write("Fibonacci(8): "+fibonacci(8)+"<br>");
</script>

```

Q6:Write a HTML program page and make background color red of body page

Ans:

1. <!Doctype Html>
2. <Html>
3. <Head>
4. <Title>
5. Change the background color using Bgcolor attribute
6. </Title>
7. </Head>
8. <Body bgcolor="red">
9. </Body>
- 10.</Html>

Q7:Write a program to print below pyramid in JavaScript? * ** * **** ***** ***

Ans:

```

function generatePyramid()
{
    for (var i = 1; i <= 5; i++)

```

```
{  
for (var j = 1; j <= i; j++) {  
  console.log("*");  
}  
console.log(" ");  
}
```

Q8:What is difference between Session Storage and Local Storage Objects

ANS:

Local storage and Session storage are the web storage objects. Session storage is destroyed once the user closes the browser whereas, Local storage stores data with no expiration date. The sessionStorage object is equal to the localStorage object, except that it stores the data for only one session.

Q9:What is cookie.

Ans:Cookies are text files with small pieces of data — like a username and password — that are used to identify your computer as you use a computer network. Specific cookies known as HTTP cookies are used to identify specific users and improve your web browsing experience.Data stored in a cookie is created by the server upon your connection. This data is labeled with an ID unique to you and your computer.When the cookie is exchanged between your computer and the network server, the server reads the ID and knows what information to specifically serve to you.