



Frontend Assignment

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Course: Front End Development

**Assignment-Advance JavaScript(Module-1
Introduction & Code Quality)**

1) Write a program to Show an alert.**Ans)**

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta http-equiv="X-UA-Compatible" content="IE=edge">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Document</title>

</head>

<body>

  <h2> Alert Box </h2>

  <button onclick="demo()"> SUBMIT </button>

  <script>

    function demo()

    {

      alert("This is alert Box");

    }

  </script>

</body>

</html>
```

Output:

2) What will be the result for these expressions?**1. `5 > 4`****2. `"apple" > "pineapple"`****3. `"2" > "12"`****4. `undefined == null`****5. `undefined === null`****6. `null == "\n0\n"`****7. `7. null === +"\n0\n"`****Ans)**`<!DOCTYPE html>``<html lang="en">``<head>``<meta charset="UTF-8">``<meta http-equiv="X-UA-Compatible" content="IE=edge">``<meta name="viewport" content="width=device-width, initial-scale=1.0">``<title>Document</title>``</head>``<body>``<h2> Comparison</h2>``<p id="demo"> </p>``<script>``document.getElementById("demo").innerHTML = 5>4;``</script>`

```
<p id="demo1"></p>
<script>
    document.getElementById("demo1").innerHTML
="apple">"pineapple"
</script>

<p id="demo2"></p>
<script>
    document.getElementById("demo2").innerHTML = "2">"12"
</script>

<p id="demo3"></p>
<script>
    document.getElementById("demo3").innerHTML = undefined
== null
</script>

<p id="demo4"></p>
<script>
    document.getElementById("demo4").innerHTML = null ==
"\n0\n"
</script>
```

```

<p id="demo5"></p>
<script>
    document.getElementById("demo5").innerHTML = null ===
+ "\n0\n"
</script>
</body>
</html>

```

Output:**3) Will alert be shown?**

```
if ('0') { alert( 'Hello'); }
```

Ans)

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">

```

```
<title>Document</title>
</head>
<body>
  <script>
    let a = 0;
    if(a == 0)
    {
      alert("Hello");
    }
    else{
      document.write("It is False Statment");
    }
  </script>

</body>
</html>
```

Output:

4) What is the code below going to output? `alert(null || 2 || undefined);`

Ans)

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Document</title>
```

```
</head>
```

```
<body>
```

```
  <script>
```

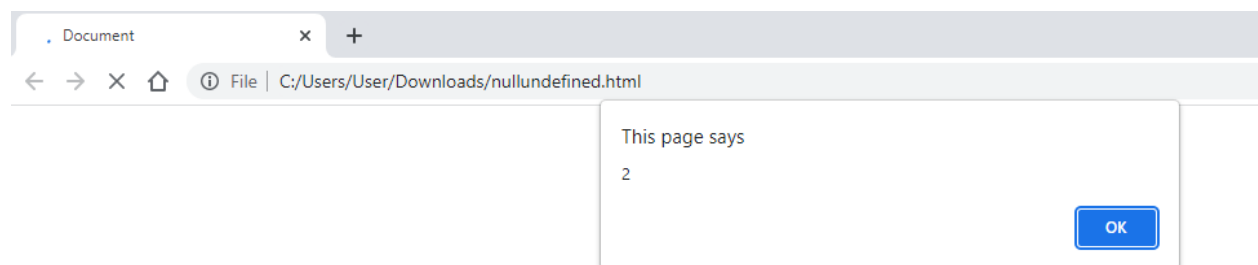
```
    alert(null || 2 || undefined);
```

```
  </script>
```

```
</body>
```

```
</html>
```

Output:



5) The following function returns true if the parameter age is greater than

**18. Otherwise it asks for a confirmation and returns its result:
function**

```
checkAge(age)
{
if (age> 18) { return true; }
else {
// ...return confirm ('did parents allow you?');
}
}
```

Ans)

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
```

```
  <title>Document</title>
```

```
</head>
```

```
<body>
```

```
  <script>
```

```
    let age = 18
```

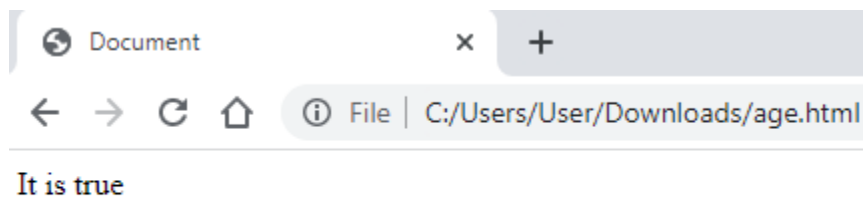
```
    if (age>=18)
```

```
    {
```

```
      document.write("It is true");
```



```
    }  
    else{  
        document.write("did parents allow you?")  
    }  
</script>  
  
</body>  
</html>
```

Output:**6) Replace Function Expressions with arrow functions in the code below:****Function****ask(question, yes, no)**

```
{ if (confirm(question))yes();  
else  
no();  
}  
ask("Do you agree?", function()  
{ alert("You agreed."); },  
function() {
```

```
alert("You canceled the execution."); }  
}
```

Ans)

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta http-equiv="X-UA-Compatible"  
content="IE=edge">
```

```
  <meta name="viewport" content="width=device-width,  
initial-scale=1.0">
```

```
  <title>Document</title>
```

```
</head>
```

```
<body>
```

```
  <script>
```

```
    function ask(question, yes, no) {
```

```
      if (confirm(question)) yes();
```

```
      else no();
```

```
    }
```

```
ask(  
    "Do you agree?",  
    () => alert("You agreed."),  
    () => alert("You canceled the execution.")  
);  
</script>  
</body>  
  
</html>
```