

21BCA0091  
ANURAG PRATAP SINGH  
LAB CAT-2  
WEB D

2)

i. Create a webpage using JavaScript

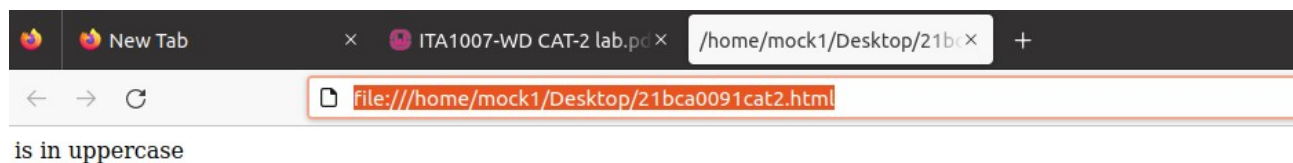
a) to test whether the character at the provided (character) index is upper case

**CODE:**

```
<script>
var upper='ABCDEFGHIJKLMNOPQRSTUVWXYZ';
var st='myName';
var x= prompt("Enter the index to be checked");
    if(upper.indexOf(x) !== -1)
    {
        document.write("NOT in uppercase");
    }

    else
    {
        document.write("is in uppercase");
    }
</script>
```

**OUTPUT**



b) to create a case-sensitive search

**CODE**

**OUTPUT**

c) to remove HTML/XML tags from string

**CODE**

**OUTPUT**

d) to convert a string to a title case.

### **CODE**

```
<html>
<head>
<script>
var st='myNAme';
document.write(st.toUpperCase());
</script>
</head>
</html>
```

### **OUTPUT**

**e) to concatenate a given string n times (default is 1)**  
**"Ha!Ha!", "Ha!Ha!Ha!"**

### **CODE**

```
<script>
    var z=prompt("Enter the no of times you want to concate");
    var str='Ha!';
    var result=[];
    for(var i=0;i<z;i++)
    {
        result.push(str.concat());
    }
    result.join("");
    document.write(result);
</script>
```

## **ii. Create a webpage using JavaScript**

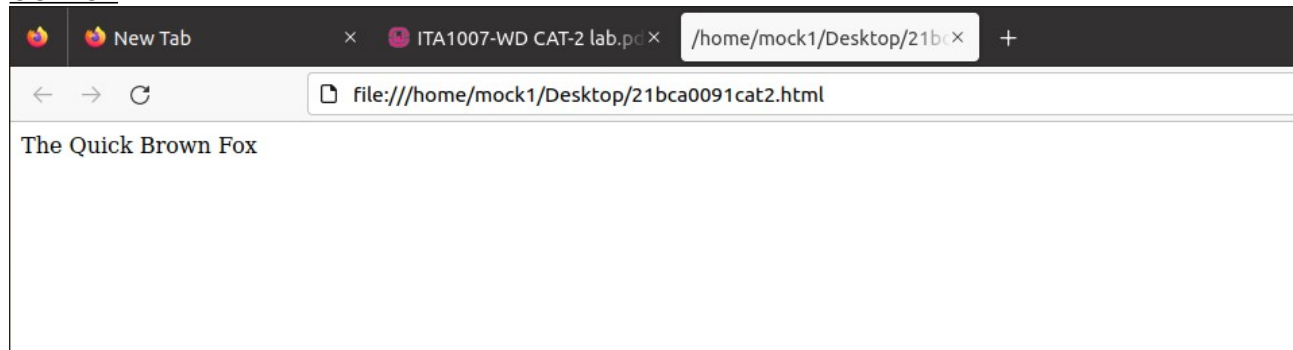
**a) which accepts a string as input and swaps the case of each character. For example, if you input 'The Quick Brown Fox' the output should be 'tHE qUICK bROWN Fox'.**

### **CODE:**

```
<script>
var st='tHE qUICK bROWN fOX';
var upper='ABCDEFGHIJKLMNOPQRSTUVWXYZ';
var lower='abcdefghijklmnopqrstuvwxyz';
var result=[];

for(var x=0;x<st.length;x++)
{
    if(upper.indexOf(st[x])!==-1)
    {
        result.push(st[x].toUpperCase);
    }
    else if(lower.indexOf(st[x])!==-1)
    {
        result.push(st[x].toLowerCase);
    }
    else
    {
        result.push(st[x]);
    }
}
document.write(result.join(""));
}
</script>
```

## OUTPUT



**b) to find the most frequent item of an array.**

**Sample array : var arr1=[3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9, 3];**

**Sample Output: a ( 5 times )**

## CODE

```
<script>
var arr1=[3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9, 3];
var arr2=[];
var count=0;
for(var i=0;i<arr1.length;i++)
{
    var check=arr1[i];
    for(i=0;i<arr1.length;i++)
    {
        if(check===arr1[i])
        {
            count++;
        }
    }
    arr2.push(count);
    count=0;
}
var z=Math.max.apply(arr2);
alert(z);
</script>
```