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School of Information Technology and Engineering

Digital Assessment - I, FEB 2019

B.Tech, Winter-2018-2019

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COURSE CODE	ITE1002
COURSE NAME	WEB TECHNOLOGIES
SLOT	B2
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1. You are a "C" Programmer and you want to postmortem the predefined functions of JavaScipt and give your own versions of the function

   The indexOf function of string object finds the first occurrence of a string/character/substring in a string. There are two variants of the function - indexOf(str) , indexOf(str , pos). The function should do a case sensitive checking and change the negative pos value to positive value and finds the first occurrence of one string in another. The function fails if the pos value is beyond the length of the string object.

   Write a user-defined function that imitates the indexOf function.

```
function indeOfIgnoreCaseMyVersion( str , pos = 0)
{
      for ( var i = pos;  i< str.length ; i++ )
      {
      }

}
```

The call to the function
var s = "Hello Vitians , welcome to vit"
var search_string = "vit"

var ind = indeOfIgnoreCaseMyVersion(search_string);
var ind2 = indeOfIgnoreCaseMyVersion(search_string , 7);
var ind3 = indeOfIgnoreCaseMyVersion("e");
var ind4 = indeOfIgnoreCaseMyVersion("e" , -1); //check the occurrence of e starting from 1

HTML CODE:

```
<!doctype html>
<html>
  <head>
    <meta charset="utf-8">
    <title>DA 1</title>
    <script type="text/javascript">
        function indeOfIgnoreCaseMyVersion( str )
        {
           var string=document.getElementById("s1").value;
           var str=document.getElementById("s2").value;
           if(str.length>1)
           {
              var a = string.split(/(\s+)/);
              for( var i = 0; i< a.length ; i++)
              {
                 if(str === a[i])
                 {
                     document.getElementById("p").innerHTML = i;
                     break;
                 }
              }
           }
           else
           {
              for ( var i = 0; i< string.length ; i++ )
              {
                 var c = string.charAt(i);
                 if (str === c)
                 {
                    document.getElementById("p").innerHTML = i;
                    break;
                 }
           }
        }
       function indeOfIgnoreCaseMyVersion2( str , pos = 0)
       {
          var string=document.getElementById("s1").value;
          var str=document.getElementById("s2").value;
          var pos=document.getElementById("s3").value;
          if(str.length>1)
          {
             var a = string.split(/(\s+)/);
             for( var i = Math.abs(pos); i< a.length ; i++)
             {
                if(str === a[i])
                {
                   document.getElementById("p").innerHTML = i;
                   break;
                }
             }
          }
          else
```

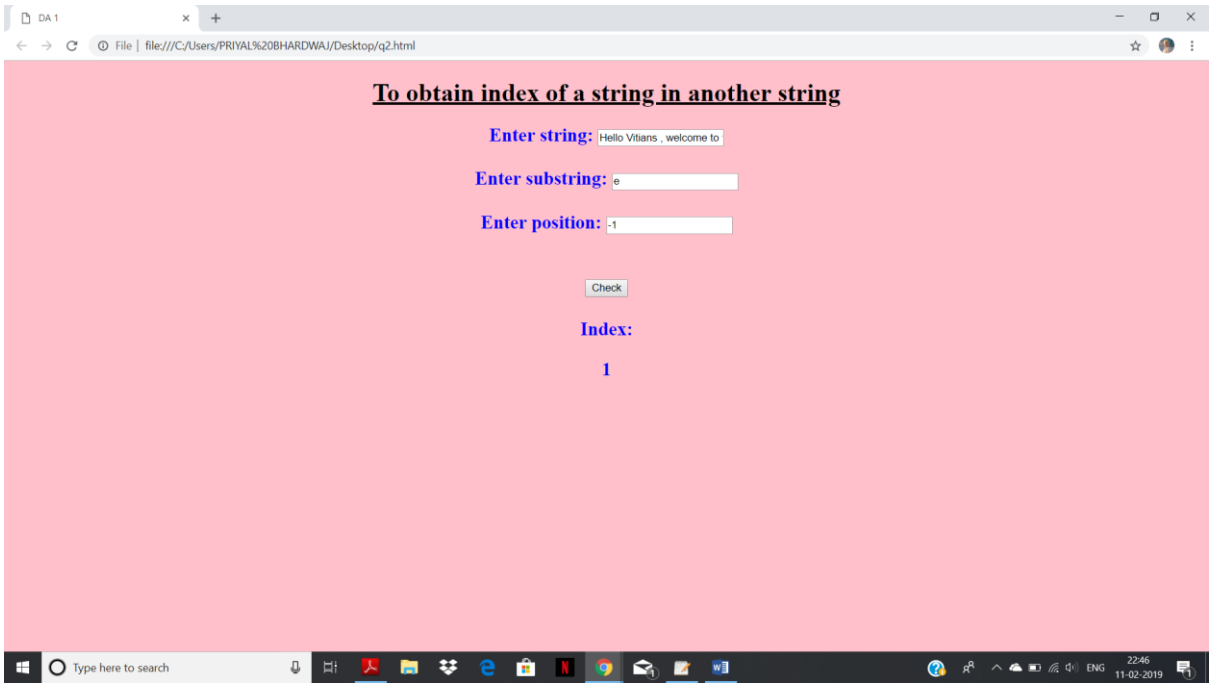
```
        {
          for ( var i = Math.abs(pos); i< string.length ; i++ )
          {
            var c = string.charAt(i);
            if (str === c)
            {
              document.getElementById("p").innerHTML = i;
              break;
            }
          }
        }
      }
    </script>
  </head>
  <body bgcolor="pink">
    <center>
      <strong>
        <p font-color="black"><h1><u>To obtain index of a string in another string</u></h1></p>
      <p><font color="blue"><h2>
        Enter string: <input type="text" id="s1"><br><br>
      Enter substring: <input type="text" id="s2"><br><br>
      Enter position: <input type="text" id="s3"><br><br>
        </p>
      <button onClick="indeOfIgnoreCaseMyVersion();">Check</button><br><br>
      Index: <p id="p"></p>
        </h2></strong>
    </center>
  </body>
</html>
```

OUTPUT:

var s = “Hello Vitians , welcome to vit”;
var search_string = “vit” ;
var ind2 = indeOfIgnoreCaseMyVersion(search_string);

var s = “Hello Vitians , welcome to vit”
var ind3 = indeOfIgnoreCaseMyVersion(“e”);

var s = “Hello Vitians , welcome to vit”
var ind4 = indeOfIgnoreCaseMyVersion(“e” , -1);



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