Web Designing Lab

LABORATORY MANUAL

B.Tech Semester -IV

Subject Code: (KIT-451)

Session: 2020-21, Even Semester

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LAB EXPERIMENT 7

OBJECTIVE:

Create an html page to explain the use of various predefined functions in a string and Date object in java script

PROGRAM-:

```
<html>
<head>
<title> </title>
</head>
<body>
<script language= ·;avascripr>
var s1 = new String rLearning javascript •);
var s2 = new String (• in jss•);
document.write(.Original string s1: • + s1 ):
document. write(. <br> •);
document. write(.Original string s2: • + s2);
document. write(• <br><br> •)
// using charAt0
document.wme(·char value of specified index in s1 is : • + s1 .charAt(2) +
• <br><br> •);
// using concat(str)
var s3 = s1 .concat(s2):
document.wrtte(·concatenation of s1 and s2 is: • + s3 + ·<br><br>·):
II using indexOf(str)
var n = s3.indexOf(•javascript•);
document.wrtte(•lndex of s3 string is: 11 + n + •<br><br>.);
// using tolowerCase()
var I = s3. tolowerCase();
document.wnte(•Lower case of s3 string 1is: • +I + •<br><br>•);
// using toUpperCaseO
var u = s3.toUpperCase();
document.wme(•Upper case of s3 string is: • + u + ·<br><br>.);
// using slice(,)
var s = s3.slice(2,5);
document. writer Fetched part of string s3 using slice is: • + s +
• <br><bD •);
// using substrO
var sub = s3.substr(1.5);
```

```
document.writeln(9substring of string s3 is: • +sub + •<br><br>•):
// using match0
var m = s3.match(.jss•);
document.writeln(9Matched part from string s3 is:•+ m + •<br><br>.); document.wme
(•Learned Date Objects:•+ •<br>•),;
var date = new DateO;
//Current Date
var day=date.getOate0;
var month=date . getMonthO+ 1;
var year=date.getFullYearO;
document.write(.<br>Date is: •+ctay+•r+month+·r+year +
• <br><br> •);
//current time
var h=date.getHours{);
var m=date.getMinutesO;
var s=date.getSecondsO;
document.write("Time is - • + h + •:• + m + •:• + s + •<br><br>•);
//UTC Day
document.writeln(•Day value:•+ date.getUTCDayO + •<br><br>.);
//UTC String0
document.writeln(date.toUTCStringO + •<br><br>.);
tmme StringO
document. writeln(date.to TimeString0)
<:/script>
<:/body>
<:/html>
```

OUTPUT-:

```
Original arrays as follows :
a1 = a,b,c,d
n1 = 1,2,3
n2 = 28,23,17,10,5,3,2

Concatenation of arrays is : a,b,c,d,1,2,3

mapped n1 array is : 6,7,8

filtered n2 array is :17,5

a1 array in descending order is: d,c,b,a
n2 array in ascending order is: 2,3,5,10,17,23,28

all elements greater than 10 exists: false
all elements less than 30 exists: true

Element greater than 10: 17

Joined a2 array says: jssaten

Reduced value of n2 array is:88

Sliced array a2: s,a,t

pushed array now is: d,c,b,a,g,h

After applying unshift, array a1 now is: f,e,d,c,b,a,g,h

Learned Date Objects:

Date is: 22/6/2021

Time is - 19:29:13

Day value : 2

Tue, 22 Jun 2021 13:59:13 GMT

19:29:13 GMT+0530 (IST)
```