**Practical 4**

**Aim** : Design a search engine based on array. Search results should come in sorted order(use DS algorithms for sorting)

**INPUT**

<html> <head> <title>

SEARCH ENGINE USING DATA STRUCTURE ALGORITHM

</title> </head> <body>

<h1>Array : 33,31,12,41,29,48,49</h1>

<p id ="sorting">

<h1 id="h1" > </h1>

<h2 id="h2" > </h2>

</p>

<script>

function searchAndsort()

{

var target=document.getElementById("tar").value;

var array=[33,31,12,41,29,48,49];

var size=array.length;

for(var i=0;i<size-1;i++)

{

for(var j=i+1;j<size;j++)

{

if(array[i]>array[j])

{

var temp;

temp=array[i];

array[i]=array[j];

array[j]=temp;

} } }

var count=0;

for(var k=0;k<size;k++)

{

if(array[k]==target)

{

document.getElementById("h1").innerHTML="Target element found at index " + k;

count++; } }

if(count==0)

{

document.getElementById("h1").innerHTML="Target element Not found "; }

array.toString();

document.getElementById("h2").innerHTML="Sorted Array : " + array; }

</script> <p>

<input type="text" id="tar" > </br> </br>

<input type="button" value="Search" onClick="searchAndsort()">

</p>

</body> </html>

**OUTPUT**





