**Javascript Examples for practise**

<body>

<script type="text/javascript">

document.write("Hello welcome");

document.write("<table border='2'><tr><th>USN</th><th>Name</th>");

document.write("</tr><tr><td>1BM11CS090</td><td>AAA</td></tr></table>");

alert("Hello");

var a=Number(prompt("Enter a value:"));

alert("The square of "+a+"is"+a\*a);

document.write("The square of "+a+"is"+a\*a);

var x=confirm("Do you like web programming?");

if(x)

alert("Welcome to the world of web");

else

alert("Bye for now! Come back at the earliest");

</script>

</body>

</html>

**II Arrays**

//Arrays are also seen as objects. Array-object

var x1=new Array(1,2,"one","two");

var x2=new Array(5);

var x3=["a","b",10,20];

var x4=[20];

x1.length=10;

document.write("<br/><br/>"+"ARRAY X1-length:"+x1.length);

for(i=0;i<x1.length;i++)

{

document.write("<br/>"+x1[i]);

}

var z=x1[0]+x1[1];

var z1=x1[2]+x1[3];

document.write("<br/>"+z+" "+z1);

document.write("<br/>"+"<br/>"+"ARRAY X2-length:"+x2.length);

for(i=0;i<x2.length;i++)

{

document.write("<br/>"+x2[i]);

}

document.write("<br/>"+"<br/>"+"ARRAY X3-length:"+x3.length);

for(i=0;i<x3.length;i++)

{

document.write("<br/>"+x3[i]);

}

document.write("<br/>"+"<br/>"+"ARRAY X4-length:"+x4.length);

for(i=0;i<x4.length;i++)

{

document.write("<br/>"+x4[i]);

}

//Array methods

var namelist=new Array("web","programming","laboratory","manual");

document.write("<br/>"+namelist);

document.write("<br/>"+namelist[1]);

document.write("<br/>"+namelist[2]);

document.write("<br/>"+namelist[3]);

document.write("<br/>"+namelist[0]);

var nlist=namelist.join("-");

var nlist1=namelist.join();

document.write("<br/><br/>"+nlist);

document.write("<br/>"+nlist1);

namelist.reverse();

document.write("<br/><br/>"+namelist);

namelist.sort();

document.write("<br/><br/>"+namelist);

var nl=namelist.concat("xyz","wxy");

document.write("<br/><br/>"+nl);

var arr1=namelist.slice(2); //toString method called

var arr2 =namelist.slice(1,5);

document.write("<br/><br/>"+arr1);

document.write("<br/><br/>"+arr2);

namelist.push("MANUAL");

document.write("<br/><br/>"+namelist);

namelist.push("assignment");

document.write("<br/><br/>"+namelist);

var s=namelist.pop();

document.write("<br/><br/>"+namelist);

document.write("<br/><br/>"+s);

var t=namelist.shift();

document.write("<br/><br/>"+namelist);

document.write("<br/>"+t);

namelist.unshift("AAA");

document.write("<br/>"+namelist);

namelist[20]=100;

document.write(arr.length,"<br />");

var x=namelist.toString();

document.write("The result of tostring method is ",x,"<br />");

**III TWO DIMENSIONAL ARRAY**

<html>

<body>

<script type="text/javascript">

var a=new Array();

var x=Number(prompt("Enter r"));

var y=Number(prompt("Enter c"));

for(var i=0;i<x;i++)

{

a[i]=new Array(y);

for(var j=0;j<y;j++)

{

a[i][j]=Number(prompt("Enter the value for a["+i+"]["+j+"]"));

}

document.write("<br />");

}

for(var i=0;i<x;i++)

{

for(var j=0;j<y;j++)

{

document.write(a[i][j]," ");

}

document.write("<br />");

}

</script>

</body>

</html>

**IV FUNCTIONS**

<html>

<head>

<script type="text/javascript">

function f1()

{ document.write("Good Morning");}

var xx=200;

function f11()

{var xx=100; document.write("<br/>"+"xx:"+xx);

yyy=1000;}

function f2(a,b)

{ document.write("<br/>"+"xx:"+xx+" yyy:"+yyy);

document.write("<br/>"+"Two para func:"+"<br/>"+(a+b));

}

function f3(a,b)

{ var a1=a+b;return a1;}

function f4(a,b,c)

{document.write("<br/>"+"Three Formal para func:");

document.write("<br/>"+"The number of actual parameters:"+arguments.length);

document.write("<br/>"+"The arguments are ")

for (i=0;i<arguments.length;i++)

{document.write(" "+arguments[i]);}

document.write("<br/>"+a+" "+b+" "+c+"<br/>"+"<br/>");

}

function fnarr(list)

{ var sum=0;

for(i=0;i<list.length;i++)

{ sum+=list[i];}

document.write("<br/>"+"sum="+sum);

list[0]=0;

}

function fnarr1(list)

{ var li=[1,2,3,4],sum=0;

for(i=0;i<list.length;i++)

{ sum+=list[i];}

document.write("<br/>"+"sum with initial ref="+sum);

list=li;sum=0;

for(i=0;i<list.length;i++)

{ sum+=list[i];}

document.write("<br/>"+"sum="+sum);

list[0]=10;

for(i=0;i<list.length;i++)

{document.write("<br/>"+"list:"+list[i]);}

}

function passbyref(list)

{ list[0]=3\*list[0];}

function numsort(a,b){return b-a;}

</script>

</head>

<body>

<script type="text/javascript">

var x,y,z=100,z1=200,fl=0;

var arr=[20,40,60,80,100];

f1();

f11();

f2(10,20);

y=f3(z,z1);

document.write("<br/>"+y);

document.write("<br/>");

f4(201);

f4(301,302);

f4(101,201,301);

fnarr(arr);

document.write("<br/>"+"display from calling place "+"<br/>");

for(i=0;i<arr.length;i++)

{ document.write(" "+arr[i]);}

fnarr1(arr);

document.write("<br/>");

for(i=0;i<arr.length;i++)

{ document.write(" " +arr[i]);}

var list5=new Array(1);

list5[0]=z;

document.write("<br/> z="+z);

passbyref(list5);

z=list5[0];

document.write("after change:"+z);

var l1=[23,45,11,58,18,20];

l1.sort(numsort);

document.write("<br />"+"Descending sort:"+"<br />");

for(i=0;i<l1.length;i++)

{ document.write(" "+l1[i]);}

document.write("<br />"+"Ascending sort:")

l1.sort();

for(i=0;i<l1.length;i++)

{ document.write(" "+l1[i]);}

document.write("<br />"+"Descending sort:")

l1.sort(function (a,b){return b-a;});

for(i=0;i<l1.length;i++)

{ document.write(" "+l1[i]);}

</script>

</body>

</html>