

Lab Solution Collection

Part One

```
var n=10;
var a=10.5;
var abc ="Hello";
c = true;
document.write(n+"<br>")
document.write(a+"<br>")
document.write(abc+"<br>")
document.write(c)
```

Part Two

```
var userName = prompt("Enter User Name: ")
var userId = prompt(" Enter user Id")
alert("User Name is "+ userName + " And User ID is "+userId)
```

Part Three

```
marks=10;
if(marks>=80 && marks<=100){
    document.write("You have obtained Distinction")

}else if(marks>=60 && marks <80){
    document.write("You have get First Division")

}else if(marks>=50 && marks <60){
    document.write("You have got Second Division")

}else if(marks>=40 && marks<50){
    document.write("You have got Third Division")
}
else if(marks<40){
    document.write("You are fail")
}
```

```
}else{  
    document.write("Your marks is out of range")  
}
```

Part Four

```
var input = parseInt(prompt("Enter the number"))
```

```
switch(input){  
    case 1:  
        alert("Sunday")  
        break;  
    case 2:  
        alert("Monday")  
        break;  
    case 3:  
        alert("Tuesday")  
        break;  
    case 3:  
        alert("Tuesday")  
        break;  
    case 4:  
        alert("Wednusday")  
        break;  
    case 5:  
        alert("Thursday")  
        break;  
    case 6:  
        alert("Friday")  
        break;  
    case 7:  
        alert("Saturday")  
        break;  
  
    default:  
        alert("Invalid Input")
```

```
}
```

Part Five

```
for (var i = 0; i <4; i++) {  
    document.write('');  
}
```

Part Six

```
for (var i = 1; i <=10; i++) {  
  
    document.write("<br> 5 * "+ i+ " = "+ 5*i);  
  
}
```

Part Seven

```
document.write('<table border=2px solid black >');  
document.write('<tr bgcolor="#0000ff">');  
document.write('<th style="padding:10px"> S.N. ');  
document.write('<th style="padding:10px"> Name. ');  
document.write('<th style="padding:10px"> Image ');  
document.write("</tr>");  
  
for( var i=1;i<=4;i++){  
    if(i%2==0) {  
        document.write('<tr bgcolor="#dddddd" >');  
    }  
    else{  
        document.write('<tr bgcolor="#bbbbbb" >');  
    }  
  
    document.write('<td style="padding:5px 20px">' + i + '</td>' + '<td style="padding:5px 20px">' + ' Name ' + i  
+ '</td>' + '<td style="padding:5px 20px">' + i + '.jpg </td>');  
    document.write('</tr>')
```

```
}
```

```
document.write("</table>");
```

Part Eight

```
myColor = ["Red", "Green", "White", "Black"];
```

```
document.write(myColor.toString()+"<br>")
```

```
document.write(myColor.join()+"<br>")
```

```
document.write(myColor.join('+')+"<br>")
```

Part Nine

```
a=[1,2,3,4,5,6,7,8,9]
```

```
sum=0;
```

```
product =1;
```

```
for(i=0;i<a.length;i++){
```

```
    sum+=a[i]
```

```
    product*=a[i]
```

```
}
```

```
document.write("The sum is : "+sum +"<br>")
```

```
document.write("The product is : " +product)
```

Part Ten

```
function rectangleArea(length,breath){
```

```
    var area = length*breath;
```

```
    return area;
}

var area = rectangleArea(10,20);
document.write("The area of Rectangle is : "+ area)
```

Part Eleven

Declare the array outside the functions (global variable in this case)

```
var array = [];
var x = 0; // Initialize x to 0

function add_item_to_array() {
    // Add element to the array and perform other actions
    array[x] = document.getElementById("text1").value;
    alert("Element: " + array[x] + " Added at index " + x);
    x++;
    document.getElementById("text1").value = "";
}

function display_array() {
    var e = "<hr/>";
    for (var y = 0; y < array.length; y++) {
        e += "Element " + y + " = " + array[y] + "<br/>";
    }
    document.getElementById("Result").innerHTML = e;
}
```