

A
Lab Records of
Subject Name
Bachelor of Computer Applications -1st Sem



RUNGTA INTERNATIONAL SKILLS UNIVERSITY

SESSION: 2025-26

Subject teacher name
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Submitted To:

**RUNGTA INTERNATIONAL SKILLS
UNIVERSITY,CG
SCHOOL OF INFORMATION TECHNOLOGY**

3.1

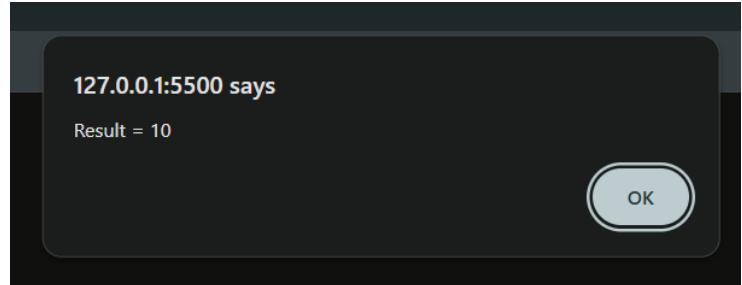
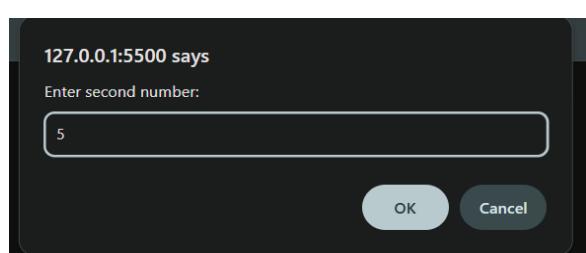
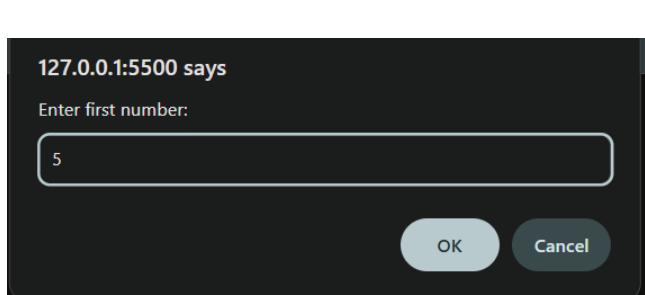
The screenshot shows a code editor interface with the following details:

- EXPLORER** sidebar:
 - OPEN EDITORS: Practical3.2.html..., Practical3.1.html... (selected), Settings
 - BCA 1A folder:
 - Practical3.1.html (selected)
 - Practical3.2.html
 - Practical3.3.html
 - Practical3.4.html
- Practical3.1.html** content area:

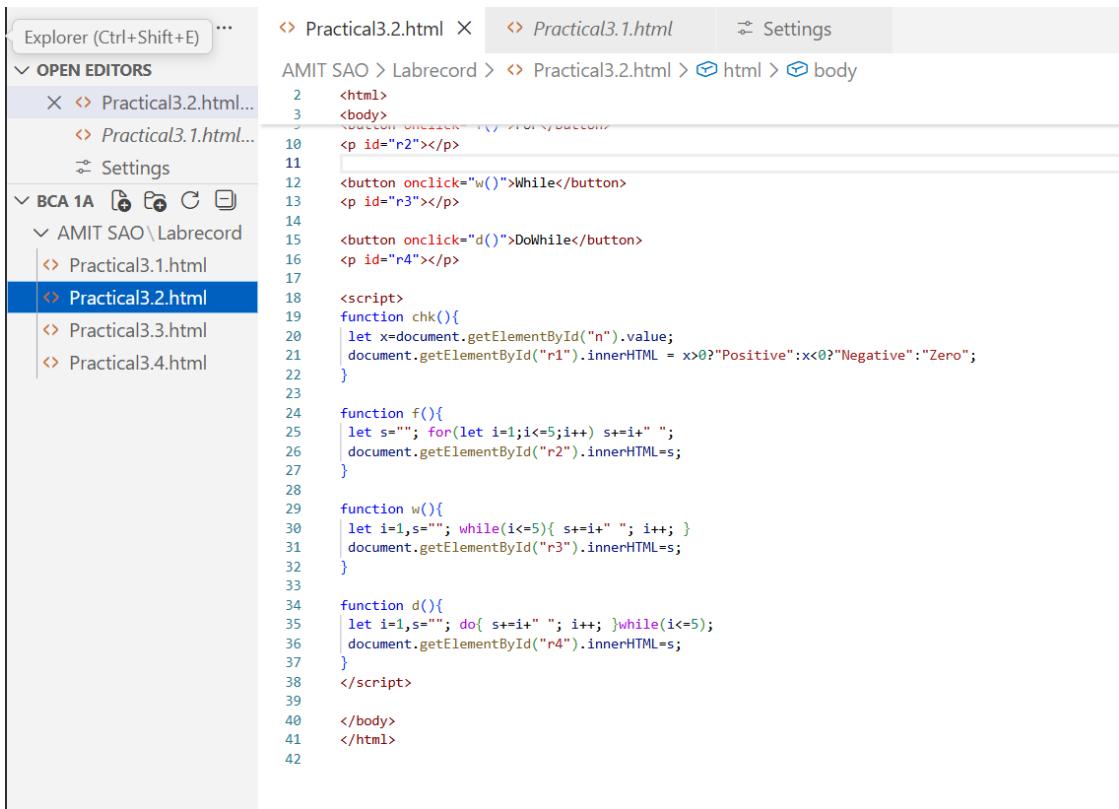
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Basic Arithmetic Operations</title>
5 </head>
6 <body>
7   <script>
8     let a = Number(prompt("Enter first number:"));
9     let op = prompt("Enter operation (+, -, *, /):");
10    let b = Number(prompt("Enter second number:"));

11    let result;
12
13    if (op === "+") {
14      result = a + b;
15    } else if (op === "-") {
16      result = a - b;
17    } else if (op === "*") {
18      result = a * b;
19    } else if (op === "/") {
20      result = b !== 0 ? a / b : "Cannot divide by zero";
21    } else {
22      result = "Invalid operation";
23    }
24
25    alert("Result = " + result);
26  </script>
27
28 </body>
29 </html>
```

OUTPUT:



3.2



The screenshot shows a code editor interface with the following details:

- Explorer (Ctrl+Shift+E) ...**: A button in the top-left corner.
- OPEN EDITORS**: A section containing:
 - X < Practical3.2.html...**
 - < Practical3.1.html...**
 - Settings**
- BCA 1A**: A section containing:
 - AMIT SAO\Labrecord**
 - < Practical3.1.html**
 - < Practical3.2.html** (highlighted in blue)
 - < Practical3.3.html**
 - < Practical3.4.html**
- Practical3.2.html**: The active editor tab, showing the following code:

```
2  <html>
3  <body>
4  <button onclick="w()">While</button>
5  <p id="r2"></p>
6
7  <button onclick="d()">DoWhile</button>
8  <p id="r3"></p>
9
10 <script>
11   function chk(){
12     let x=document.getElementById("n").value;
13     document.getElementById("r1").innerHTML = x<0?"Positive":x>0?"Negative":"Zero";
14   }
15
16   function f(){
17     let s="";
18     for(let i=1;i<=5;i++) s+=i+" ";
19     document.getElementById("r2").innerHTML=s;
20   }
21
22   function w(){
23     let i=1,s="";
24     while(i<=5){ s+=i+" "; i++; }
25     document.getElementById("r3").innerHTML=s;
26   }
27
28   function d(){
29     let i=1,s="";
30     do{ s+=i+" "; i++; }while(i<=5);
31     document.getElementById("r4").innerHTML=s;
32   }
33
34 </script>
35
36 </body>
37 </html>
```

3.3

The screenshot shows a code editor interface with the following details:

- EXPLORER** sidebar:
 - OPEN EDITORS**: Practical3.2.html..., Practical3.3.html... (selected), Practical3.4.html
 - BCA 1A**: AMIT SAO\Labrecord
 - Practical3.1.html
 - Practical3.2.html
 - Practical3.3.html** (selected)
 - Practical3.4.html
- Practical3.3.html** tab is active.
- Code Area:**

```
1  <!DOCTYPE html>
2  <html>
3
4  <head>
5    <title>Scope Demonstration</title>
6  </head>
7
8  <body>
9    <script>
10   var a = 10;
11   let b = 20;
12   const c = 30;
13   function showValues() {
14     var x = "inside function";
15
16     if (true) {
17       let y = "inside block";
18       const z = "also inside block";
19       document.write(y + '<br>');
20       document.write(z+ '<br>');
21     }
22     document.write(x+ '<br>');
23   }
24   showValues();
25   document.write(a+ '<br>',b+ '<br>',c+ '<br>');
26
27 </script>
28
29 </body>
30
31 </html>
```

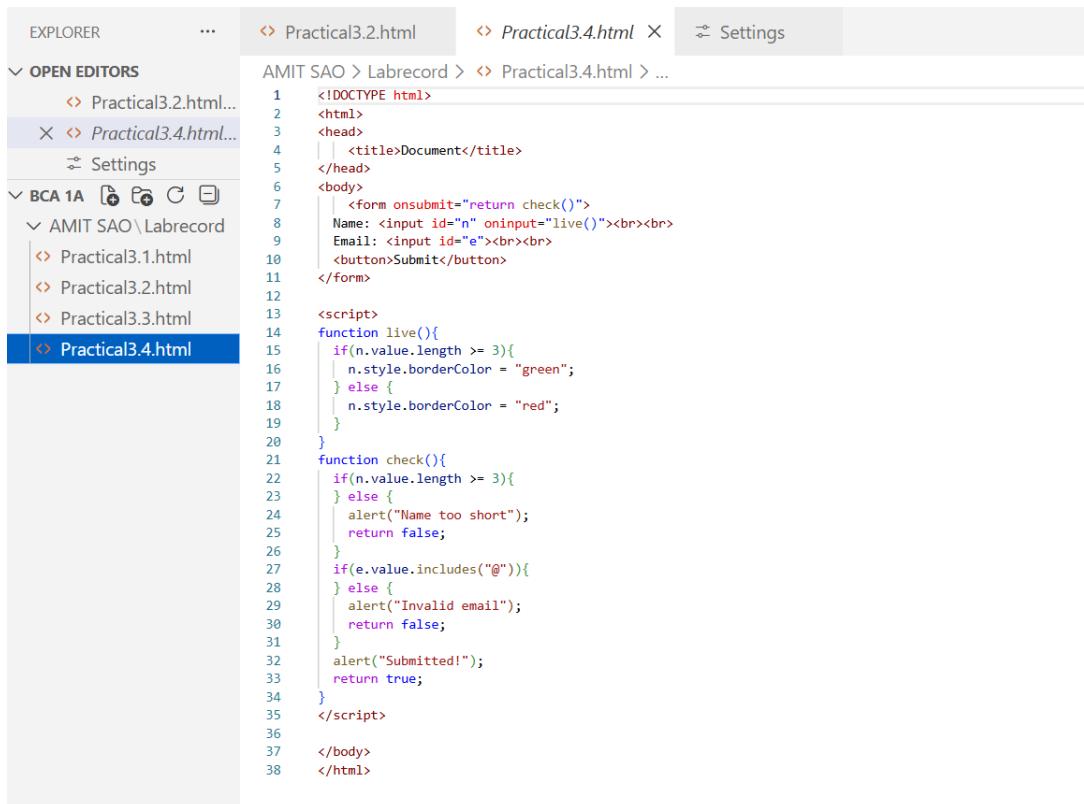
OUTPUT:-

The screenshot shows a browser window displaying the output of the code from Practical3.3.html. The output is as follows:

```
inside block
also inside block
inside function
10
20
30
```

S No.	Name Of Practical	Submission Date	Remarks
1.	Create a JavaScript-enabled web page that performs basic arithmetic operations using input from users.		
2.	Write JavaScript to demonstrate conditional statements and looping (for, while, do...while).		
3.	Create and invoke user-defined functions in JavaScript; use var, let, and const for scope demonstration.		
4.	Handle HTML form validation using JavaScript events like on submit, on input, and use alert() for feedback.		

3.4



The screenshot shows a code editor interface with the following details:

- EXPLORER** sidebar:
 - OPEN EDITORS: Practical3.2.html..., Practical3.4.html..., Settings
 - BCA 1A folder:
 - AMIT SAO\Labrecord
 - Practical3.1.html
 - Practical3.2.html
 - Practical3.3.html
 - Practical3.4.html (selected)
- Practical3.4.html** code area:

```
<!DOCTYPE html>
<html>
<head>
<title>Document</title>
</head>
<body>
<form onsubmit="return check()">
Name: <input id="n" oninput="live()"><br><br>
Email: <input id="e"><br><br>
<button>Submit</button>
</form>

<script>
function live(){
if(n.value.length >= 3){
| n.style.borderColor = "green";
} else {
| n.style.borderColor = "red";
}
}

function check(){
if(n.value.length >= 3){
} else {
| alert("Name too short");
| return false;
}
if(e.value.includes("@")){
} else {
| alert("Invalid email");
| return false;
}
| alert("Submitted!");
| return true;
}
</script>
</body>
</html>
```

OUTPUT

