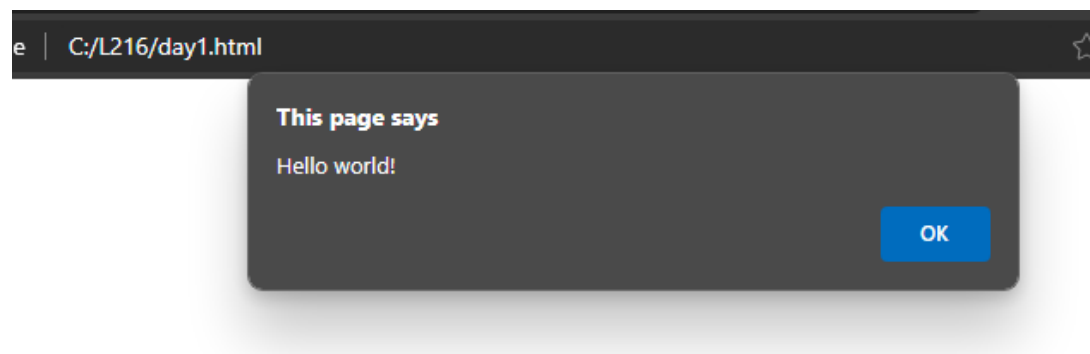```
<!DOCTYPE html>
<head>
    <title>day-1</title>
</head>
<body>
    <script>
        alert("Hello world!");
    </script>
</body>
```

Output:



```
2) <!DOCTYPE html>

<head>
    <title>day-1</title>
</head>
<body>
    <script>
        let a="Gokila";
        let b=16;
        console.log(a);
        console.log(b);
    </script>
</body>
```
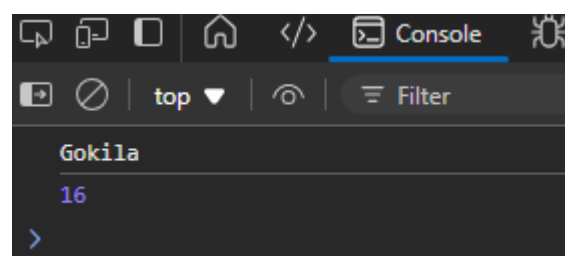
Output:

```
3) <!DOCTYPE html>

<head>
    <title>T3</title>
</head>
<body>
    <script>
        var a=8;
        var b=4;
        console.log(a+b);
        console.log(a-b);
        console.log(a*b);
        console.log(a/b);
        </script>
        </body>
```
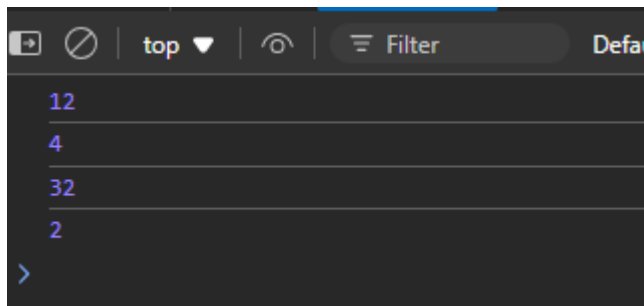
Output:



```
4) <!DOCTYPE html>

<head>
    <title>T4</title>
    </head>
    <body>
        <script>
            var s="Welcome";
            var t="KCE";
            document.writeln(s+t);
            </script>
            </body>
            </html>
```

Output:

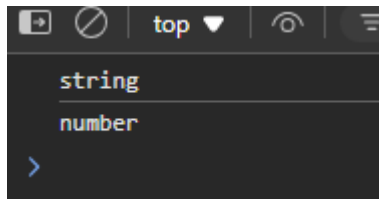# WelcomeKCE

```
5) <!DOCTYPE html>

<head>
    <title>T5</title>
</head>
<body>
    <script>
        console.log(typeof "Gokila");
        console.log(typeof 24);
        </script>
</body>
</html>
```

Output:

```
string
number
>
```

```
6) <!DOCTYPE html>

<head>
    <title>T6</title>
</head>
<body>
    <script>
        //single line comment
        //document.writeln("singleline");
        /*multiline comment
        document.writeln("multiline comment")*/

        </script>
</body>
```

```
7) <!DOCTYPE html>

<head>
    <title>T7</title>
</head>
<body>
```

```
    <script>
        document.writeln("Gokila");
        document.writeln(216)
        </script>
</body>
</html>
```

Output:

Gokila 216
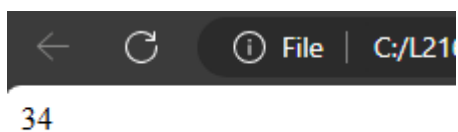
```
8) <!DOCTYPE html>

<head>
    <title>day-1</title>
</head>
<body>
    <script>
        let a="Gokila";
        let b=16;
        console.log(a);
        console.log(b);
    </script>
</body>
```

Output:

34

```
9) <!DOCTYPE html>

<head>
    <title>T9</title>
</head>
<body>
    <script>
        let a=b=c=5;
        document.writeln(a*b*c);
        </script>
```

```
</body>
```

Output:



```
125
```

```
10) <!DOCTYPE html>

<head>
    <title>T10</title>
    <script>
        document.writeln("Gokila");
        document.writeln(216)
        </script>
        </head>
        <body>
            <script>
                let a=b=c=5;
                document.writeln(a*b*c);
            </script>
        </body>
```
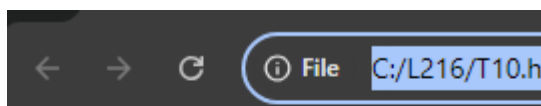
Output:



Gokila 216 125

```
16) <!DOCTYPE html>

<head>
    <title>Task16</title>
</head>
<body>
    <script>
        let a=6;
        a=8;
        document.writeln(a);
        var b=8;
        var b=10;
        document.writeln(b);
        const c=3;
        document.writeln(c);
    </script>
</body>

</html>
```
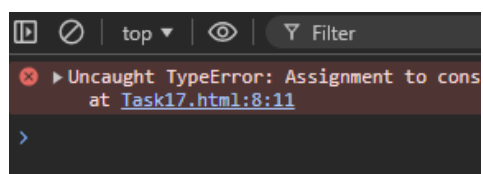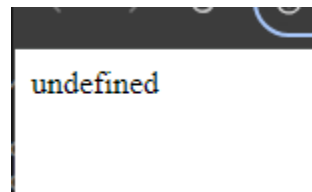
8 10 3

```
17) <!DOCTYPE html>

<head>
    <title>Task17</title>
</head>
<body>
    <script>
        const a=3;
         a=6;
        document.writeln(a);
    </script>
</body>
```
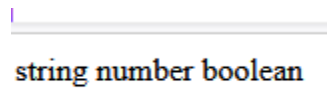
Output:

❌ ▶ Uncaught TypeError: Assignment to cons
   at Task17.html:8:11

```
18)<!DOCTYPE html>
<head>
    <title>Task18</title>
</head>
<body>
    <script>
        var a;
        document.writeln(a);
    </script>
</body>
```

Output:

undefined

```
19) <!DOCTYPE html>

<head>
    <title>Task19</title>
</head>
<body>
    <script>
        document.writeln(typeof "hii");
        document.writeln(typeof 7);
        document.writeln(typeof true);
    </script>
</body>
```

Output:

string number boolean

```
20) <!DOCTYPE html>

<head>
<title>Task20</title>
</head>
<body>
```

```
<script>
 var p=4;
 var r=p;
 document.writeln(r);
</script>
</body>
```

Output:

4

```
21) <!DOCTYPE html>

<head>
    <title>Task21</title>
</head>
<body>
    <script>
        var a="Gokila";
        var b=55;
        var c=true;
        var d=null;
        var e;
        var f={
            name:"sky",
            color:"blue",
        }
        document.writeln(a+"<br>");
        document.writeln(b+"<br>");
        document.writeln(c+"<br>");
        document.writeln(d+"<br>");
        document.writeln(e+"<br>");
        document.writeln(f);


    </script>
</body>
```

Output:

Gokila
55
true
null
undefined
[object Object]

```
22) <!DOCTYPE html>

<head>
    <title>Task22</title>
</head>
<body>
    <script>
        var a="Gokila";
        var b=55;
        var c=true;
        var d=null;
        var e;
        var f={
            name:"sky",
            color:"blue",
        }
        document.writeln( typeof a+"<br>");
        document.writeln(typeof b+"<br>");
        document.writeln(typeof c+"<br>");
        document.writeln(typeof d+"<br>");
        document.writeln(typeof e+"<br>");
        document.writeln(typeof f);


    </script>
</body>
```
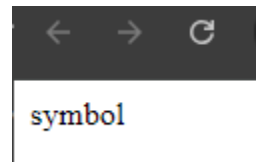
Output:

string
number
boolean
object
undefined
object

23)
```html
<!DOCTYPE html>

<head>
    <title>Task23</title>
</head>
<body>
    <script>
        const a=Symbol("@");
        document.writeln(typeof a);
    </script>
</body>
```
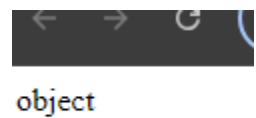
Output:

symbol

24)
```html
<!DOCTYPE html>

<head>
    <title>Task24</title>
    </head>
    <body>
    <script>
     let a=null;
     document.writeln(typeof a);

    </script>
    </body>
```

Output:

object

25)
```html
<!DOCTYPE html>

<head>
    <title>Task25</title>
</head>
```

```
<body>
    <script>
            let a=6;
            if(true){
                let a=8;
                document.writeln(a);
            }
            document.writeln(a);
            var b=3;
            if(true){
                var b=10;
                document.writeln(b);
            }
            document.writeln(b);
    </script>
</body>
```

Output:

8 6 10 10
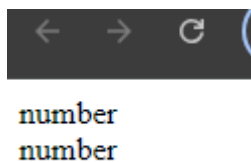
```
26) <!DOCTYPE html>

<head>
    <title>Task26</title>
</head>
<body>
    <script>
        let a="345";
        document.writeln(typeof parseInt(a)+"<br>");
        let b="566"*1;
        document.writeln(typeof b);
    </script>
</body>
```

Output:

number
number

```
27) <!DOCTYPE html>

<head>
    <title>Task27</title>
</head>
<body>
    <script>
        let f=false;
        let a=f.toString();
        document.writeln(typeof a);
        let b="1";
        let d=Boolean(b);
        document.writeln(typeof d);
        </script>
</body>
```
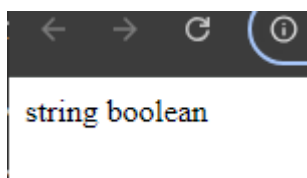
Output:

string boolean

```
28) <!DOCTYPE html>

<head>
```

```
        <title>Task28</title>

</head>
<body>
    <script>
        var a=8;
        var b=4;
        document.writeln(a+b);
        document.writeln(a-b);
        document.writeln(a*b);
        document.writeln(a/b);
        </script>
</body>
```
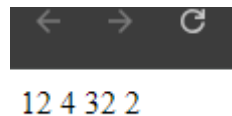
Output:

12 4 32 2

```
29) <!DOCTYPE html>

<head>
    <title>Task29</title>
</head>
<body>
    <script>
        var a=8;
        var b=6;
        document.writeln(a++,++a);
        document.writeln(b--,--b);

        </script>
</body>
```

Output:

810 64

```
30) <!DOCTYPE html>

<head>
    <title>Task30</title>
</head>
```

```
<body>
    <script>
        let a=8/4*3-2+6;
        let b=8+4/2*6-3;
        document.writeln(a);
        document.writeln(b);
        </script>
</body>
```

Output:

10 17

```
31) <!DOCTYPE html>

<head>
    <title>Task31</title>
</head>
<body>
    <script>
        let a=2;
        let b=5;
        if(a>=b){
            document.writeln(a +"is greatest"+"<br>");
        }
        else{
            document.writeln(b +"is greatest"+"<br>");
        }
        document.writeln(a>b?true:false);

        </script>
</body>
```
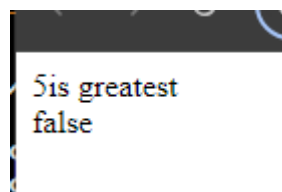
Output:

5is greatest
false

```
32) <!DOCTYPE html>

<head>
```

```
        <title>Task32</title>
</head>
<body>
    <script>
        let a=5;
        b="5";
        document.writeln(a==b);
        document.writeln(a===b);
        </script>
</body>
```

Output:

true false

```
33) <!DOCTYPE html>

<head>
    <title>Task33</title>
</head>
<body>
    <script>
        let a="apple";
        let b="dog";
        document.writeln(a.localeCompare(b));
    </script>
</body>
```
Output:

1

```
34) <!DOCTYPE html>

<head>
    <title>Task34</title>
</head>
<body>
    <script>
        let a=6;
        let b="6";
        document.writeln(a!=b);
        document.writeln(a!==b);
        </script>
```
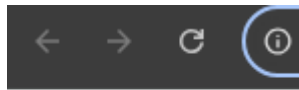
```
</body>
```

Output:



false true

```
35) <!DOCTYPE html>

<head>
    <title>Task35</title>
</head>
<body>
    <script>
        let a;
        let b=null;
        document.writeln(a==b);
        document.writeln(a===b);
        </script>
</body>
```

Output:



true false

```
36) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task36</title>
</head>
<body>
    <script>
        let a=prompt("a value:?",0);
        if(a%2==0){
            document.writeln(a +"is even");
        }
        else{
            document.writeln(a +"is odd");
        }
    </script>
</body>
</html>
```
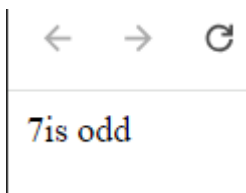
Output:

7is odd

```
37) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task37</title>
</head>
<body>
    <script>
        let a=prompt("a value:?",0);
        if(a>0){
            document.writeln(a+"is positive");
        }
        else if(a<0){
            document.writeln(a+"is negative");
        }
        else{
            document.writeln(a+"is zero");
```

```
        }

    </script>
</body>
</html>
```

Output:

8is positive

```
38) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task38</title>
</head>
<body>
    <script>
        let a=prompt("enter a value:?",0);
        let b=prompt("enter b value:?",0);
        document.writeln(a>b?true:false);
        </script>

</body>
</html>
```

Output:

true

```
39) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task39</title>
```

```
</head>
<body>
    <script>
        let animal={
            name:"dog",
            color:"white",
        };
        document.writeln(animal.write?.breed());
        </script>

</body>
</html>
```

Output:

←    →    ⟳

undefined

```
40) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task40</title>
</head>
<body>
    <script>
        let a=prompt("a:?",0);
        document.writeln((a%2==0)?true:false);
        </script>
</body>
</html>
```

Output:

←    →    C    ⓘ File    C:/l216/Task4

false

```
41) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task41</title>
</head>
<body>
    <script>
        let a=prompt("enter a value:?",0);
        let b=prompt("enter b value:?",0);
        let c=prompt("enter c value:?",0);
        if(a>b&&a>c){
            document.writeln(a+"is greatest");
        }
        if(a>0||a>=0){
            document.writeln(a+"is positive");
        }
        if(a!=b!=c){
            document.writeln("three distinct numbers");
        }

    </script>
</body>
</html>
```
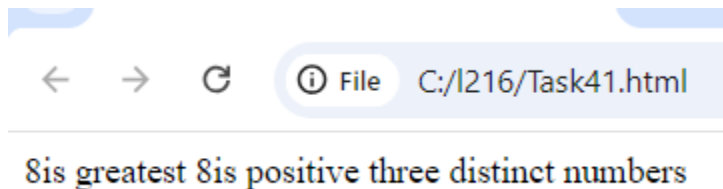
Output:

← → C ⓘ File C:/l216/Task41.html

8is greatest 8is positive three distinct numbers

```
42) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task42</title>
</head>
<body>
    <script>
        let a=prompt("enter a value:?",0);
        if(a>2 && a<8){
```
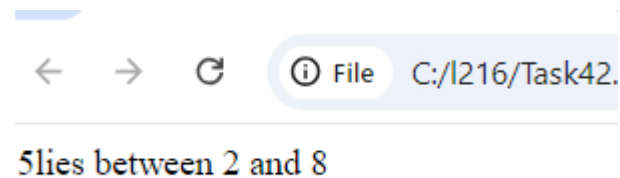
```
            document.writeln(a+"lies between 2 and 8");
        }
        else{
            document.writeln(a+"dosenot lies between 2 and 8")
        }
        </script>
</body>
</html>
```

Output:

←  →  C  ⓘ File  C:/l216/Task42.

5lies between 2 and 8

```
43) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task43</title>
</head>
<body>
    <script>
        let a=true;
        document.writeln(!a);
        </script>
</body>
</html>
```
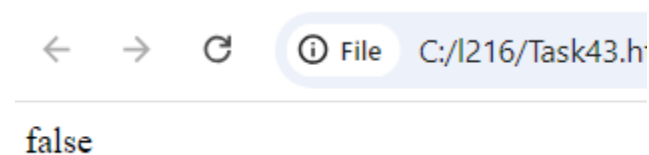
Output:

←  →  C  ⓘ File  C:/l216/Task43.h

false

```
44) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
```

```html
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task44</title>
</head>
<body>
    <script>
        let a=prompt("enter a value:?",0);
        let b=prompt("enter b value:?",0);
        let c=prompt("enter c value:?",0);
        if(a>b&&a>c){
            document.writeln(a+"is greatest");
        }
        if(a>0||a>=0){
            document.writeln(a+"is positive");
        }
        if(a!=b!=c){
            document.writeln("three distinct numbers");
        }


    </script>

</body>
</html>
```
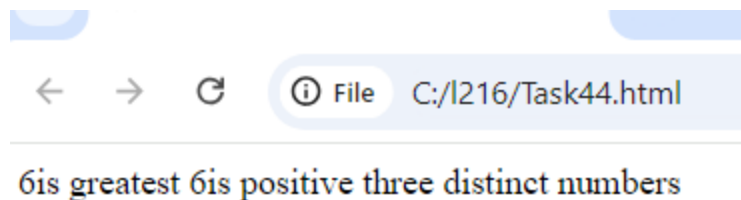
Output:

File   C:/l216/Task44.html

6is greatest 6is positive three distinct numbers

```html
45) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task45</title>
</head>
<body>
    <script>
    let a=6;
    let b="6";
    if(a==b || a===b){
```
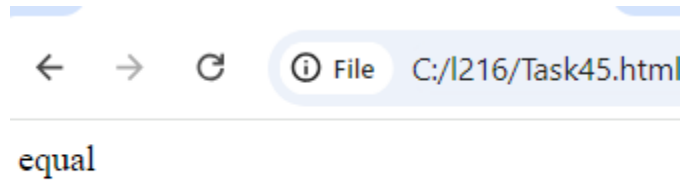
```
        document.writeln("equal");
    }
    </script>

</body>
</html>
```

Output:

```
←   →   C   ⓘ File   C:/l216/Task45.html

equal
```

```
46) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task46</title>
</head>
<body>
    <script>
        function sum(a,b){
            return a+b;
        }
        document.writeln(sum(4,2));
        </script>

</body>
</html>
```
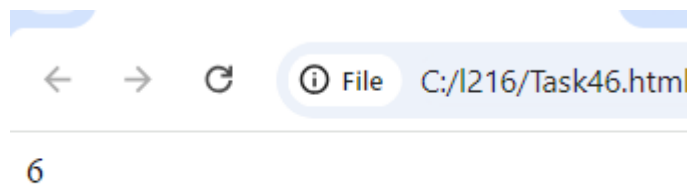
Output:

```
←   →   C   ⓘ File   C:/l216/Task46.html

6
```

```
47) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task47</title>
</head>
<body>
    <script>
        function calculatearea(l,b){
            return l*b;
        }
        document.writeln(calculatearea(4,6));
    </script>
</body>
</html>
```
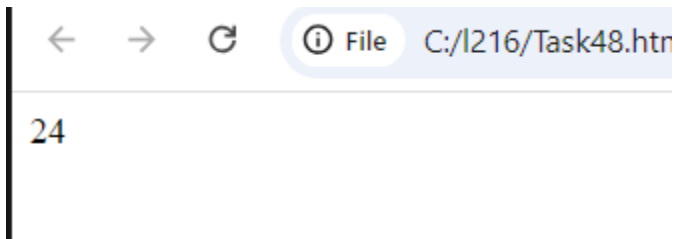
Output:



```
48) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task48</title>
</head>
<body>
    <script>
        function calculatearea(l,b){
            return l*b;
        }
        document.writeln(calculatearea());
    </script>
</body>
</html>
```
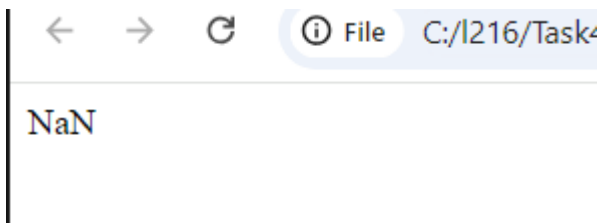
Output:

← → C ⓘ File C:/l216/Task4

NaN

```
49) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task49</title>
</head>
<body>
    <script>
        function sum(a,b){
            a+b;
        }
        document.writeln(sum(4,2));
        </script>

</body>
</html>
```
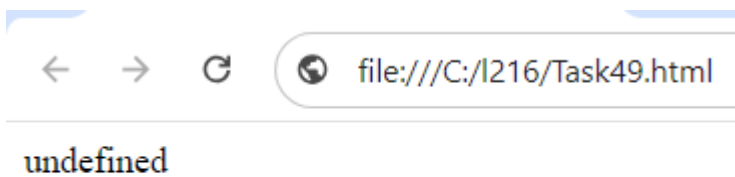
Output:

← → C ⊕ file:///C:/l216/Task49.html

undefined

```
50) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task50</title>
</head>
<body>
```
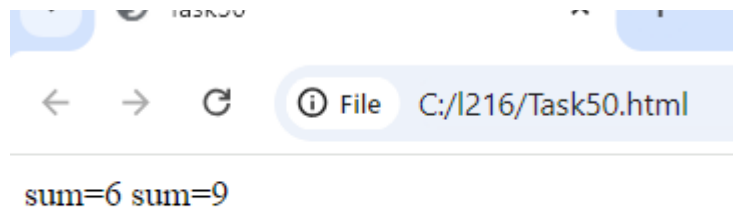
```
    <script>
        function sum(a=6,b=3){
            return a+b;
        }
        document.writeln("sum="+sum(4,2));
        document.writeln("sum="+sum());
    </script>
</body>
</html>
```

Output:

Task50

← → C ⓘ File C:/l216/Task50.html

sum=6 sum=9

```
51) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task51</title>
</head>
<body>
    <script>
        let greet=(name)=>{
            return `Hello ${name}`;
        }
        document.writeln(greet("Gokila")+"<br>");
        document.writeln(greet("Priya")+"<br>");
        document.writeln(greet("Santhiya")+"<br>");
        document.writeln(greet("Bingo")+"<br>");
        document.writeln(greet("Swetha")+"<br>");

    </script>

</body>
</html>
```
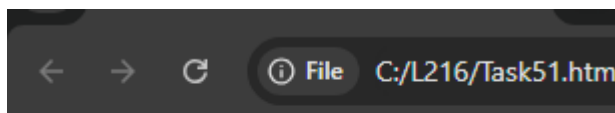
Output:



Hello Gokila
Hello Priya
Hello Santhiya
Hello Bingo
Hello Swetha

```
52) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task52</title>
</head>
<body>
```

```
    <script>
        let sum=(a,b)=>{
            return a+b;
        }
        document.writeln(sum(5,3));


    </script>

</body>
</html>
```
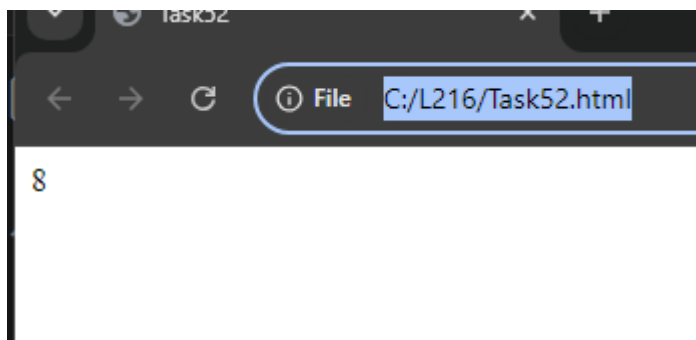
Output:



```
53) <!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task53</title>
</head>
<body>
    <script>
        let iseven=(a)=>{
            if(a%2==0){
                return true;
            }
            else{
                return false;
            }
        }

        document.writeln(iseven(6));
    </script>
</body>
</html>
```
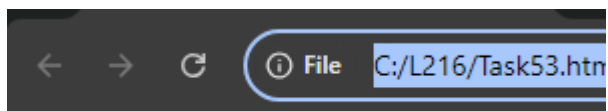
Output:



true

54) 
```html
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task54</title>
</head>
<body>
    <script>
        let maxvalue=(a,b)=>{
            if(a>b){
                return a;
            }
            else{
                return b;
            }
        }
        document.writeln(maxvalue(5,2));
        </script>

</body>
</html>
```
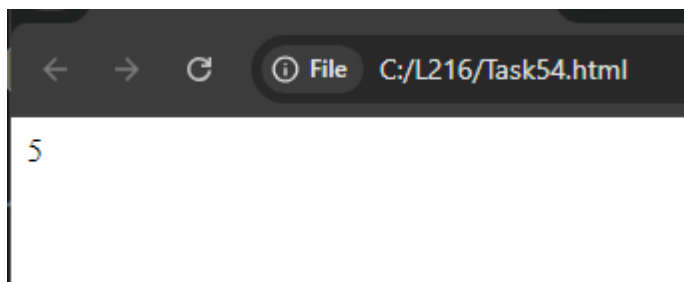
Output:



5

55) 
```html
<!DOCTYPE html>

<html lang="en">
```

```
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Task55</title>
</head>
<body>
    <script>
        let myobject={
            value:5,
            mularrow:(a)=>{
                return this.value*a;
            },
            multraditional:function(a){
                return this.value*a;
            }
        };
        document.writeln(myobject.mularrow(5));
        document.writeln(myobject.multraditional(2));
        </script>


</body>
</html>
```

Output:



NaN 10