

## DAY 1 TASK1

```
<head>

  <title>INTROUCTION OF JAVASCRIPT</title>

</head>

<body>

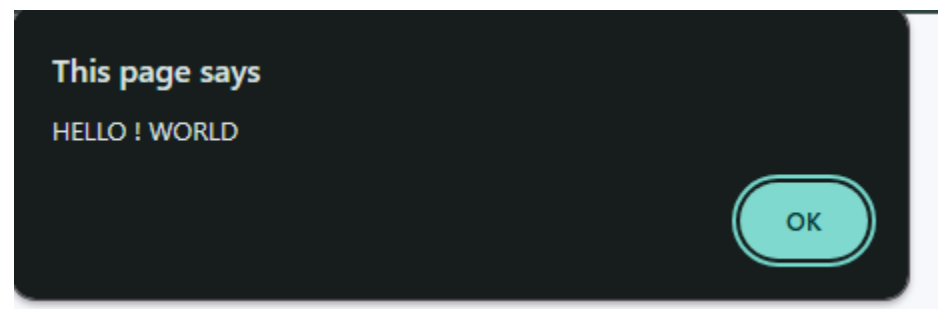
  <script>

    alert("HELLO ! WORLD");

  </script>

</body>
```

## OUTPUT



## TASK 2

```
<body>

  <script>

    let name="xxx";

    let number=4;

    let bool=true;
```

```
    console.log(name);

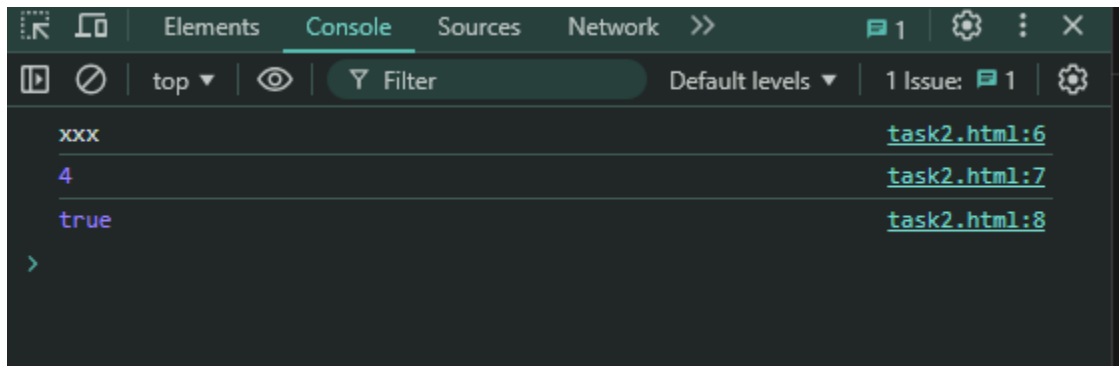
    console.log(number);

    console.log(bool);

</script>

</body>
```

## OUTPUT



## TASK 3

```
<body>

    <script>

let x=10;

    let y=5;

    console.log(x+y);

    console.log(x-y);

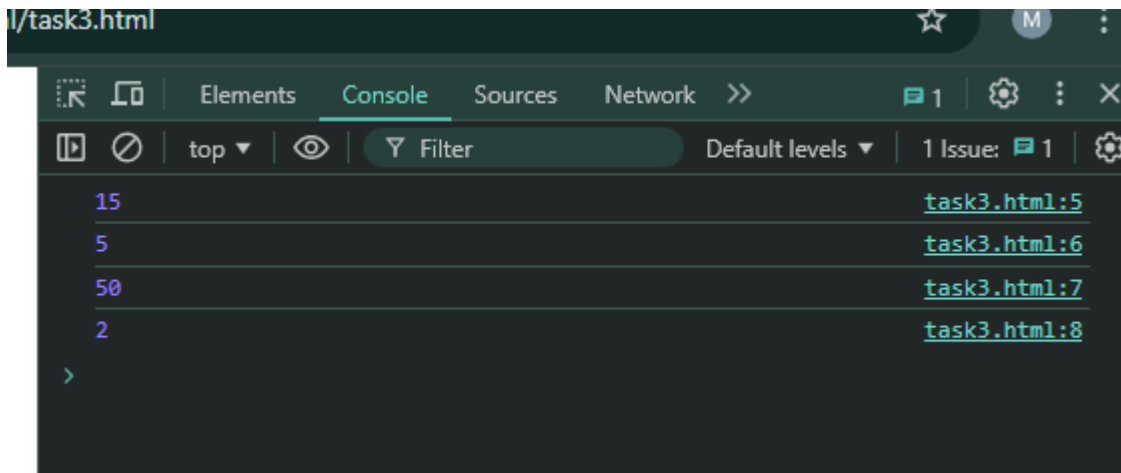
    console.log(x*y);

console.log(x/5);

    </script>

</body>
```

output



#### TASK 4

<body>

<script>

var string1="xxx";

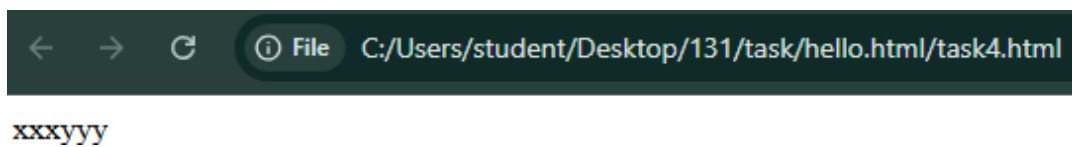
var string2="yyy";

document.writeln(string1+string2);

</script>

</body>

output



## TASK 5

```
<body>
```

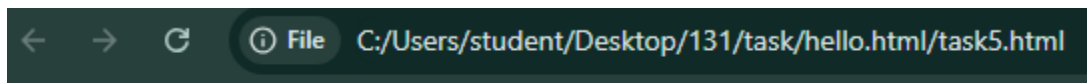
```
<script>
```

```
    document.writeln(typeof("apple"));
```

```
</script>
```

```
</body>
```

### output



string

## TASK 6

```
<body>
```

```
<script>
```

```
    //single line comment
```

```
    let a=10;
```

```
    let b=20;
```

```
    console.log(a+b);
```

```
    /*this is an multi line command*/
```

```
    let c=9
```

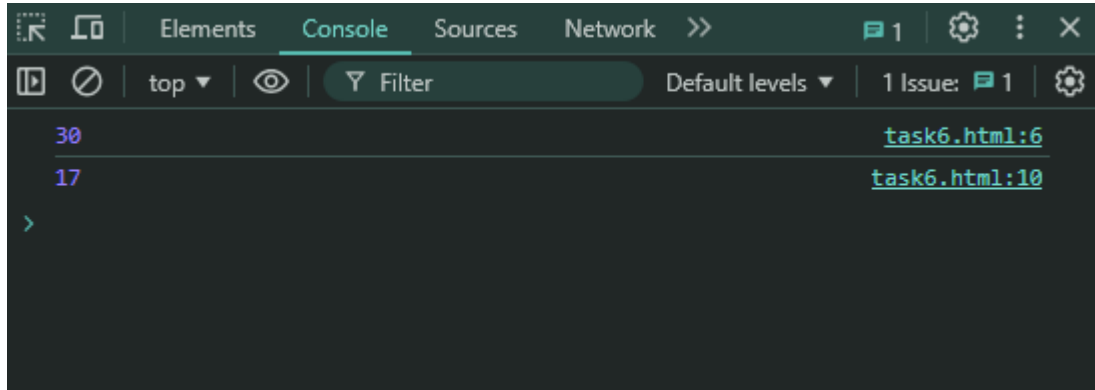
```
    let d=8
```

```
    console.log(c+d)
```

</script>

</body>

## OUTPUT



## TASK 7

<body>

<script>

//semicolon

let a=10;

let b=20;

console.log(a+b);

//semicolon not used

let c=9

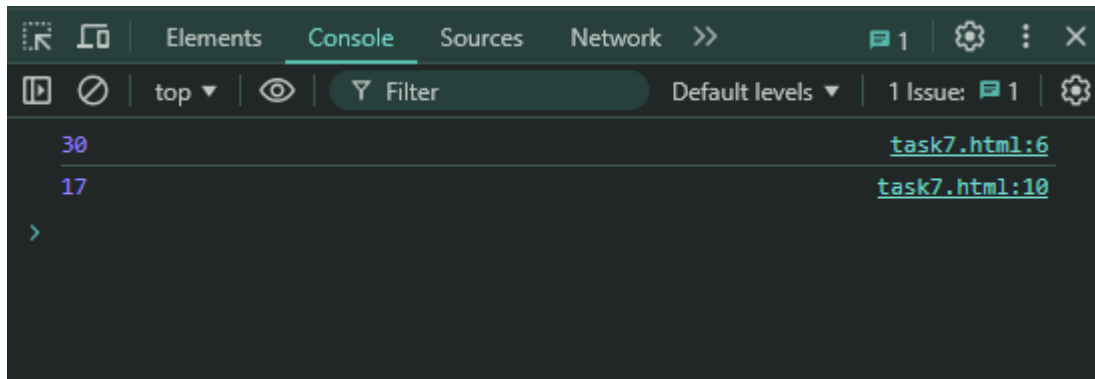
let d=8

console.log(c+d)

</script>

</body>

## OUTPUT



## TASK 8

<body>

<script>

let age=prompt("ENTER YOUR AGE");

if(age>=18)

alert("ELIGIBLE TO VOTE");

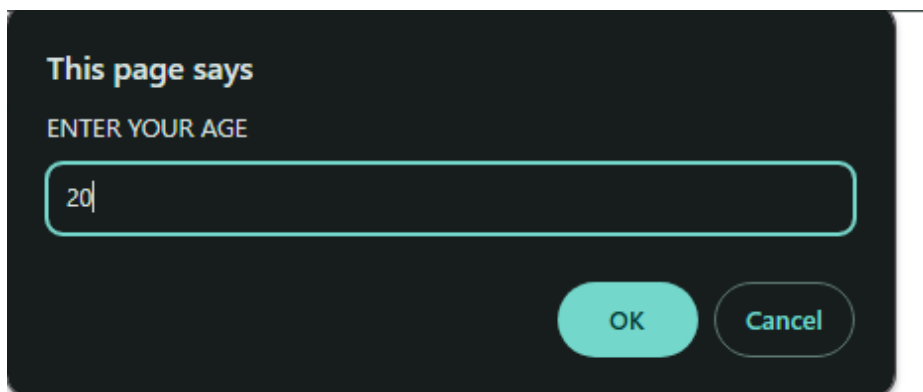
if(age<18)

alert("NOT ELIGIBLE");

</script>

</body>

## OUTPUT



**This page says**

ELIGIBLE TO VOTE

OK

## TASK 9

```
<body>
```

```
  <script>
```

```
    let name="xxx",age=18,dept="cse";
```

```
    document.writeln(name+"<br>");
```

```
    document.writeln(age+"<br>");
```

```
    document.writeln(dept+"<br>");
```

```
  </script>
```

```
</body>
```

## OUTPUT

← → ↻ ⓘ File C:/Users/student/Desktop/131/task/hello.html/task9.html

xxx

18

cse

## TASK 10

```
<head>

  <title>hello</title>

  <script>

    document.writeln("SCRIPT AT TOP"+"<br>");

  </script>

</head>

<body>

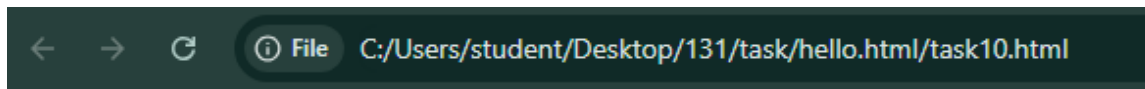
  <script>

    document.writeln("SCRIPT AT BOTTOM");

  </script>

</body>
```

## OUTPUT



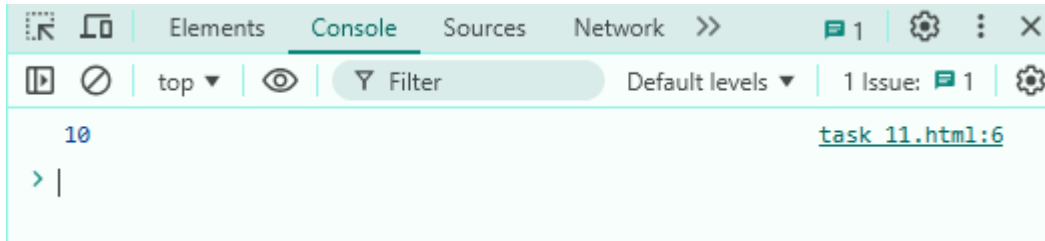
SCRIPT AT TOP  
SCRIPT AT BOTTOM



### TASK 11

```
<body>
  <script>
    x=10;
    console.log(x);
  </script>
</body>
```

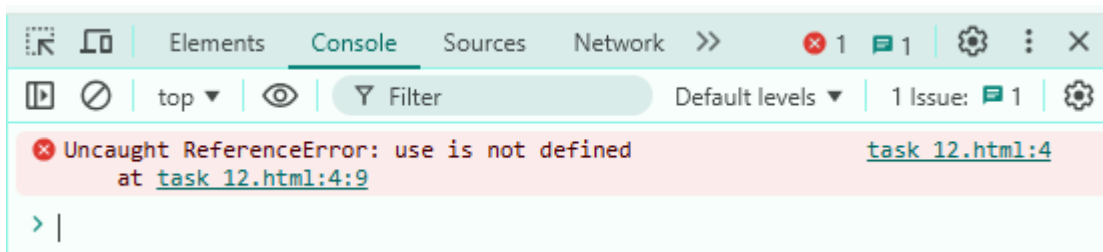
#### OUTPUT



### TASK 12

```
<body>
  <script>
    use
    x=10;
    console.log(x);
  </script>
</body>
```

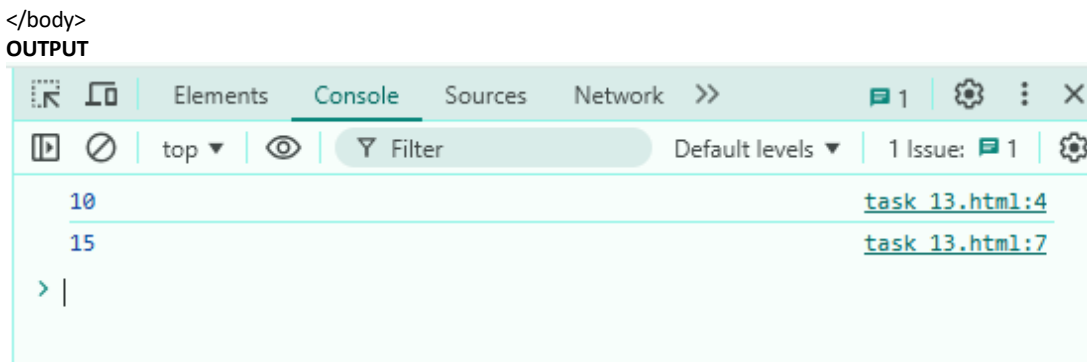
#### OUTPUT



### TASK 13

```
<body>
  <script>
    x=10;
    console.log(x);
    'use strict';
    Y=15;
    console.log(Y);
  </script>
</body>
```

#### OUTPUT

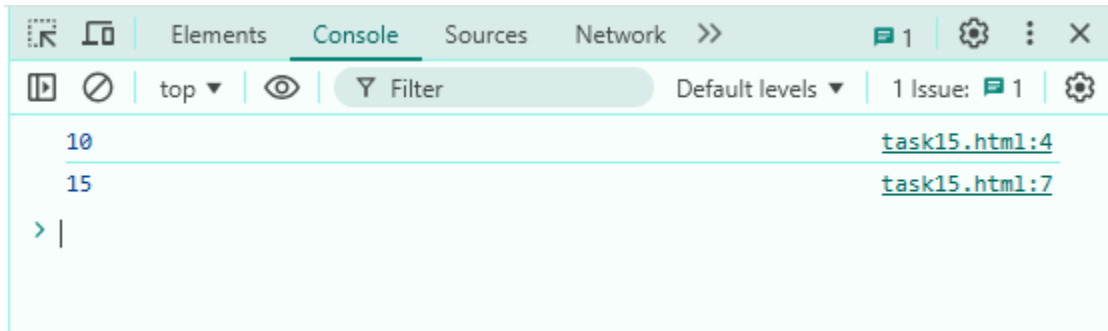


#### TASK 14

```
<body>
  <script>
    x=10;
    console.log(x);
    'use strict';
    Y=15;
    console.log(Y);
  </script>

</body>
```

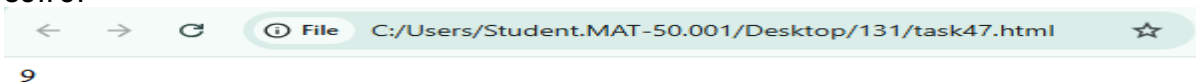
#### OUTPUT



#### TASK15

```
<body>
  <script>
    function calculate(a,b){
      return a+b;
    }
    document.writeln(calculate(4,5));
  </script>
</body>
```

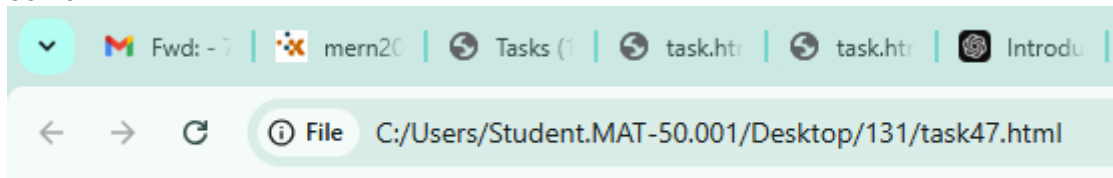
#### OUTPUT



#### TASK16

```
<body>
  <script>
    function calculatearea(length,breadth){
      return length*breadth;
    }
    document.writeln(calculatearea(4,5));
  </script>
</body>
```

## OUTPUT

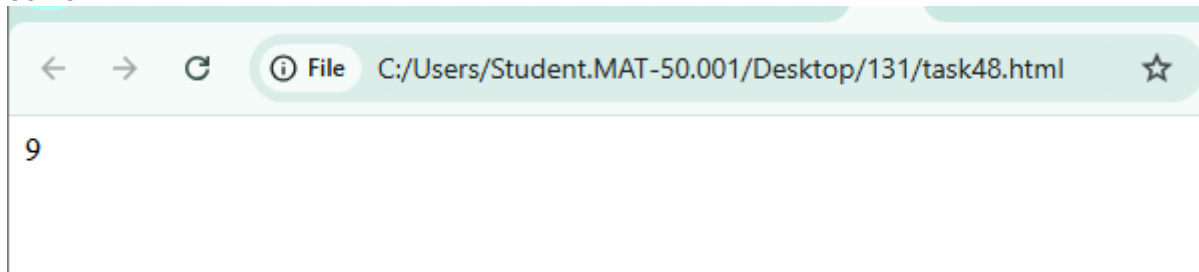


20

## TASK 17

```
<body>
  <script>
    function calculate(){
      let a=4;
      let b=5;
      return a+b;
    }
    document.writeln(calculate());
  </script>
</body>
```

## OUTPUT

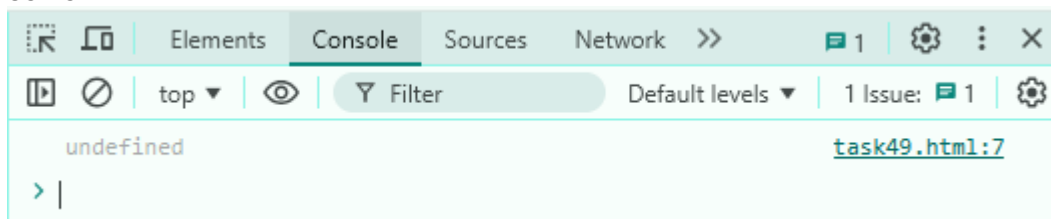


9

## TASK 18

```
<body>
  <script>
    function calculatearea(){
      return;
    }
    console.log(calculatearea());
  </script>
</body>
```

## OUTPUT



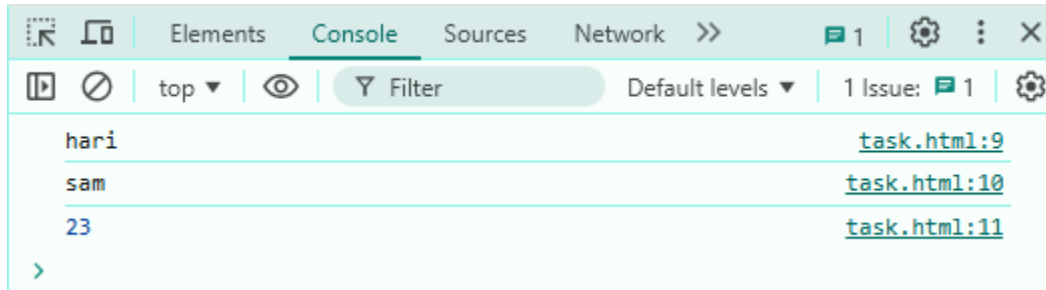
## TASK 19

```
<body>
  <script>
    let name ="hari";
    let age = 22;
    function calculate(name="hari",age=21){
      return name;
    }
  </script>
```

```
}  
console.log(calculate());  
console.log(calculate(name="sam"));  
console.log(calculate(age=23,name));  
</script>
```

</body>

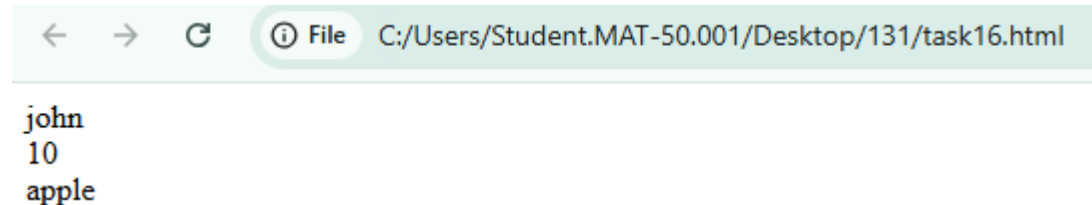
#### OUTPUT



### TASK 20

```
<body>
  <script>
let a="john";
const b=10;
var c="apple";
document.writeln(a+"<br>");
document.writeln(b+"<br>");
document.writeln(c+"<br>");
  </script>
</body>
```

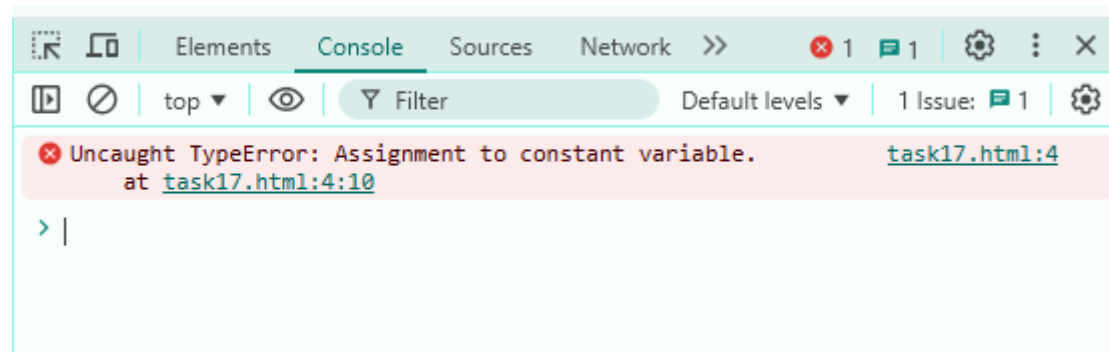
### OUTPUT



### TASK 21

```
<body>
  <script>
    const a=10;
    a=15;
    console.log(a);
  </script>
</body>
```

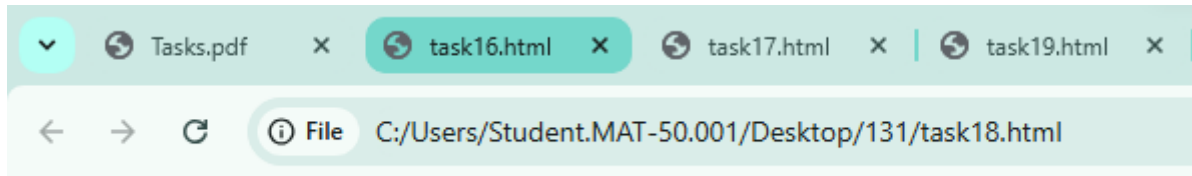
### OUTPUT



### TASK 22

```
<body>
  <script>
    var a;
    document.writeln(a);
  </script>
</body>
```

## OUTPUT



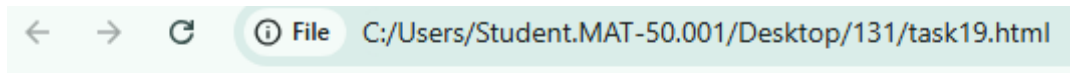
undefined

## TASK 23

```
<body>
  <script>
    let a="charlie";
    let b=4;
    let bool=true;
    document.writeln(typeof(a)+"<BR>");
    document.writeln(typeof(b)+"<BR>");
    document.writeln(typeof(bool)+"<BR>");

  </script>
</body>
```

## OUTPUT

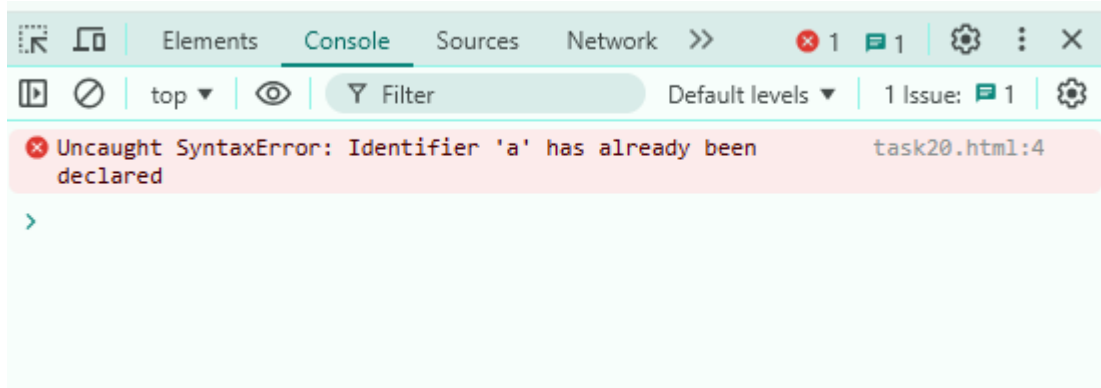


string  
number  
boolean

## TASK 24

```
<body>
  <script>
    let a=10;
    var a=10;
    console.log(a);
  </script>
</body>
```

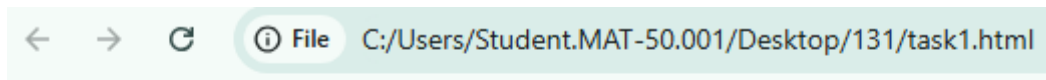
## OUTPUT



## TASK 25

```
<body>
  <script>
    let a="john";
    let b=10;
    let bool=true;
    let c=null;
    let datatypes
    {
      number:10;
      string:"hello";
      boolean:true;
    }
    document.writeln(a+"<BR>");
    document.writeln(b+"<BR>");
    document.writeln(c+"<br>");
    document.writeln(datatypes);
  </script>
</body>
```

## OUTPUT

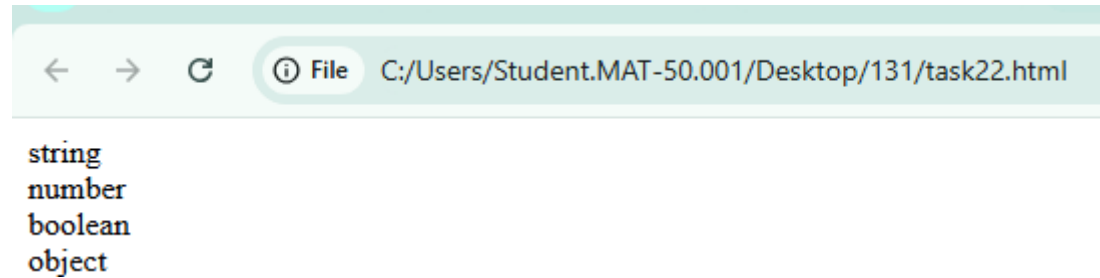


```
john
10
null
undefined
```

## TASK 26

```
<body>
  <script>
    let a="charlie";
    let b=4;
    let bool=true;
```

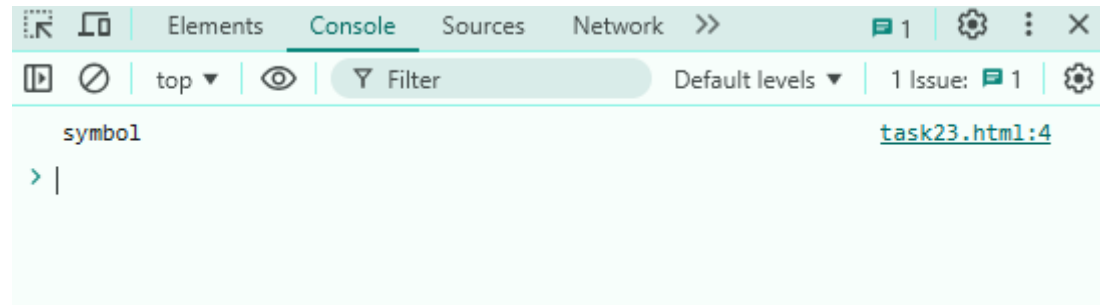
```
let c=null;
document.writeln(typeof(a)+"<BR>");
document.writeln(typeof(b)+"<BR>");
document.writeln(typeof(bool)+"<BR>");
document.writeln(typeof(c)+"<BR>");
/script>
</body>
OUTPUT
```



#### TASK 27

```
<body>
  <script>
    let a=Symbol('unique');
    console.log(typeof(a));
  </script>
</body>
```

#### OUTPUT

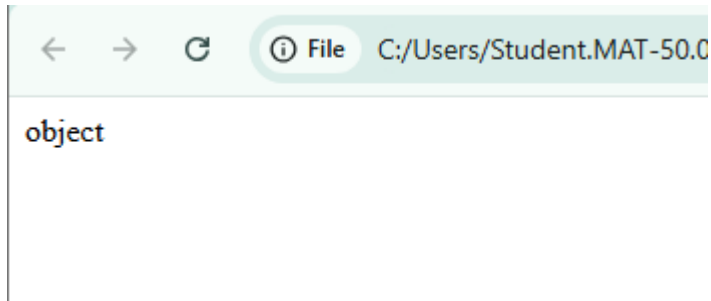


#### TASK28

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



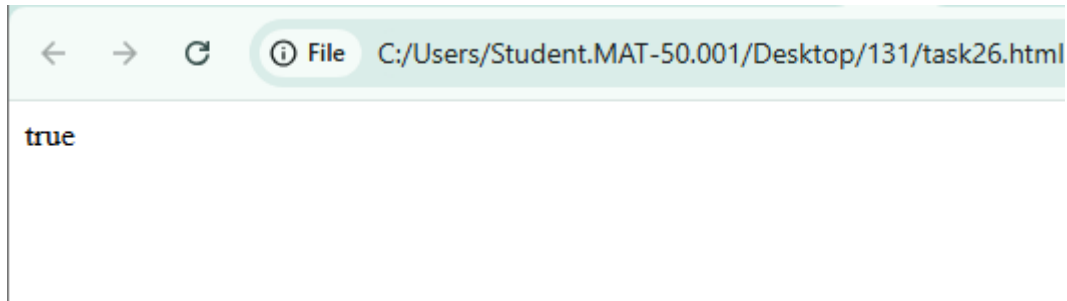
## OUTPUT



### TASK 29

```
<body>
  <script>
    let bool=true;
    let x=bool.toString();
    document.write(x);
  </script>
</body>
```

## OUTPUT

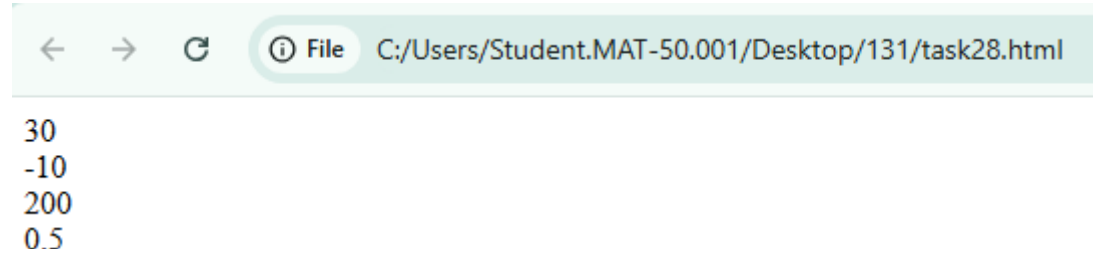


### TASK 30

```
<body>
  <script>
    let x=10;
    let y=20;
    document.writeln(x+y);
    document.writeln(x-y);
    document.writeln(x*y);
    document.writeln(x/y);

  </script>
</body>
```

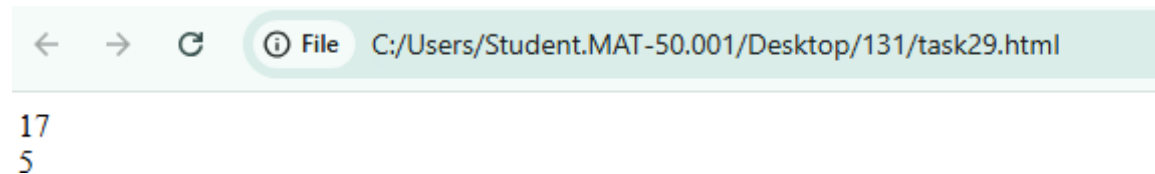
## OUTPUT



## TASK 31

```
<body>
  <script>
    let x=5;
    x+=x++ + ++x;
    document.writeln(x);
    let y=7;
    y-=y-----y;
    document.writeln(y);
  </script>
</body>
```

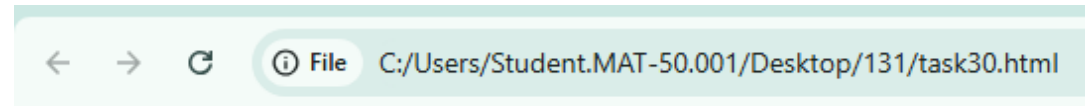
## OUTPUT



## TASK 32

```
<body>
  <script>
    document.writeln(3+5*2);
    document.writeln((3+5)*2);
  </script>
</body>
```

## OUTPUT



13

16

### TASK 33

Differentiate between var and let

Var :

It is a functional scope.

It is a global scope if declared outside of a function.

Let:

It is a Block scope.

It is only accessible within the block it's declared in.

### Task 34

```
<body>
```

```
<script>
```

```
  //implicit conversion
```

```
  let str="42";
```

```
  let result = str*1;
```

```
  document.writeln(result);
```

```
  //explicit conversion
```

```
  let str1="43";
```

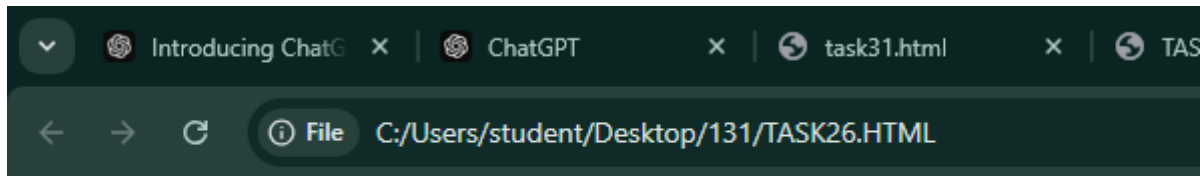
```
  let result1=Number(str1);
```

```
  document.writeln(result1);
```

```
</script>
```

```
</body>
```

### OUTPUT



42

43

### TASK 35

```
<body>
```

```
<script>
```

```
  let x=10;
```

```
  let y=20;
```

```
  document.writeln(x>y+"<br>");
```

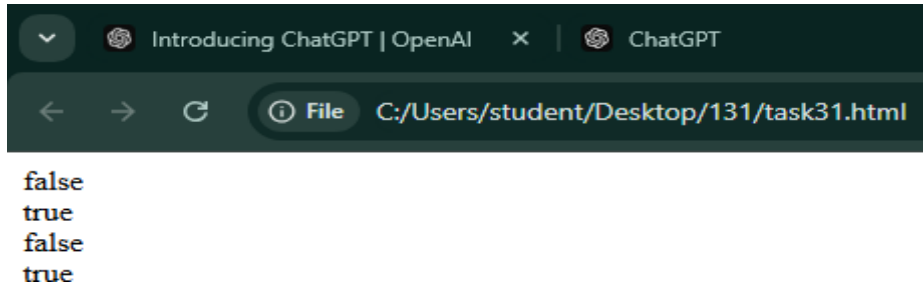
```
  document.writeln(x<y+"<br>");
```

```
  document.writeln(x>=y+"<br>");
```

```
  document.writeln(x<=y+"<br>");
```

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

### OUTPUT



### TASK 36

```
<body>
  <script>
    let x="42";
    var y=42;
    if(x==y)
    {
      document.writeln("it is Equality"+"<br>");
    }

    if(x===y)
    {
      document.writeln("it is strict equality");
    }
    else{
      document.writeln("it is not strict equality");
    }
  </script>
</body>
```

### TASK37

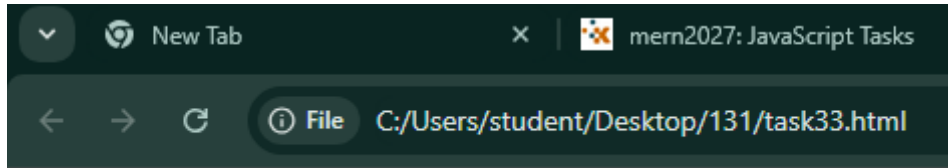
```
<body>
  <script>
    let string1="apple";
    let string2="apple";
    if(string1==string2)
    {
      document.writeln("it is equal");
    }
    else{
      document.writeln("it is not equal");
    }
  </script>
</body>
```

```
}
```

```
</script>
```

```
</body>
```

#### OUTPUT



it is equal

#### TASK38

```
<body>
```

```
<script>
```

```
let a="apple";
```

```
let b="APPLE";
```

```
if(a!=b)
```

```
{
```

```
document.writeln("it is not equal in equality");
```

```
}
```

```
else if(a===b)
```

```
{
```

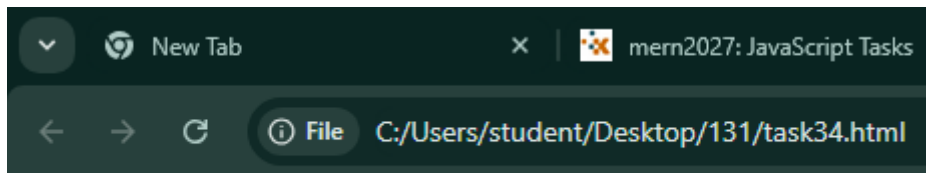
```
document.writeln("it is not equal in strict equality");
```

```
}
```

```
</script>
```

```
</body>
```

#### OUTPUT



it is not equal in equality

#### TASK39

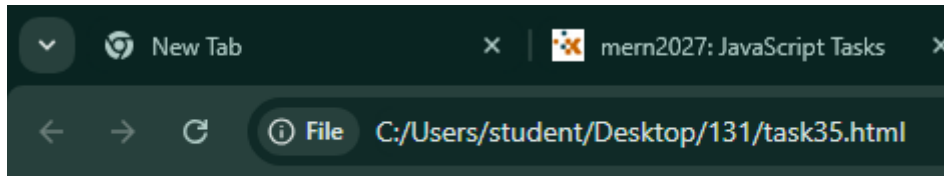
```
<body>
  <script>
    if(null==undefined)
    {
      document.writeln("it is not equal in equality");

    }
    if(null===undefined)
    {
      document.writeln("it is not equal in strict equality");

    }

  </script>
</body>
```

#### OUTPUT

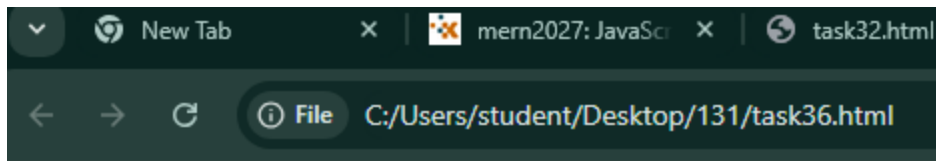


it is not equal in equality

#### TASK 40

```
<body>
  <script>
    let a=10;
    if(a%2==0)
    {
      document.writeln("it is an even number");
    }
    else{
      document.writeln("it is an odd number");
    }
  </script>
</body>
```

#### OUTPUT

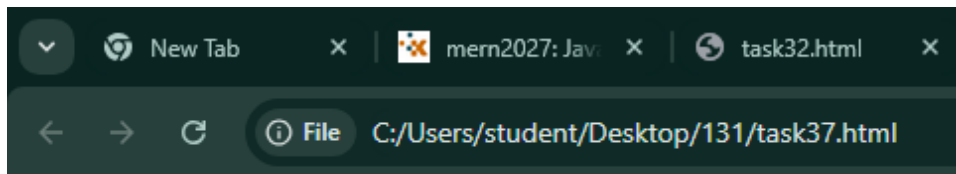


, it is an even number

#### TASK 41

```
<body>
  <script>
    let num = 7;
    if(num<0)
    {
      document.writeln("it is negative number");
    }
    if(num==0)
    {
      document.writeln("it is zero");
    }
    if(num>0)
    {
      document.writeln("it is postive number");
    }
  </script>
</body>
```

#### OUTPUT

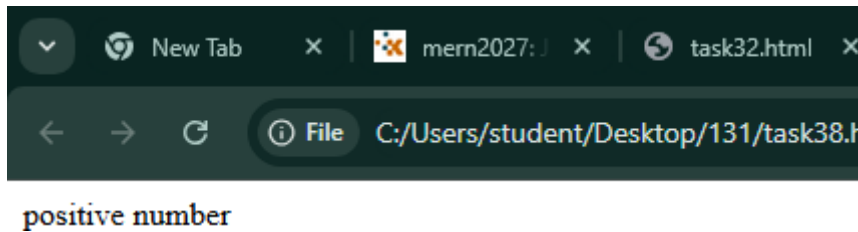


it is postive number



#### TASK42

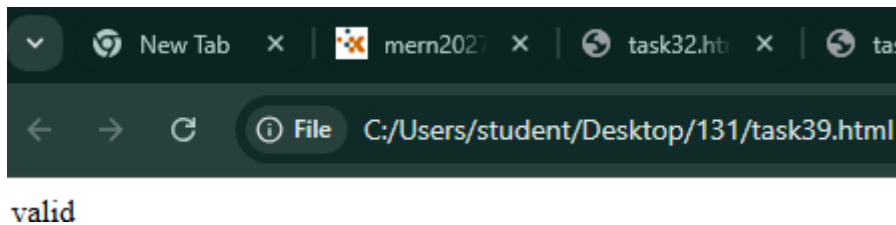
```
<body>
  <script>
    let a=7;
    let result= (a>0)?"positive number":"negative number";
    document.writeln(result);
  </script>
</body>
OUTPUT
```



#### TASK 43

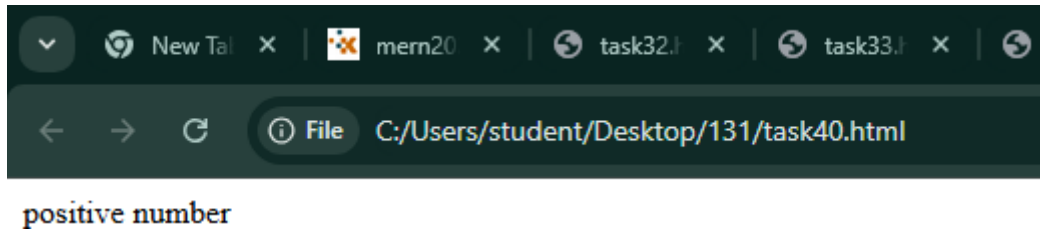
```
<body>
  <script>
    let age =18;
    let result=(age>=18)?"valid":"notvalid";
    document.writeln("result");
  </script>
</body>
```

#### OUTPUT



#### TASK44

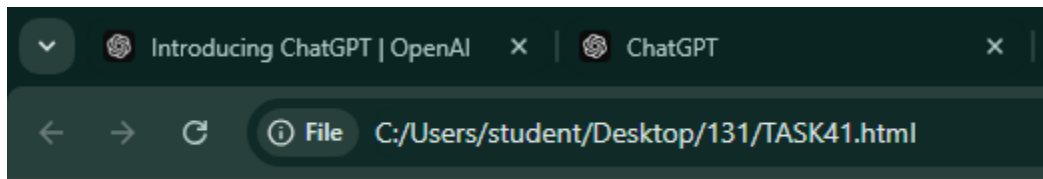
```
<body>
  <script>
    let a=7;
    let result= (a>0)?"positive number":"negative number";
    document.writeln(result);
  </script>
</body>
OUTPUT
```



#### TASK 45

```
<body>
  <script>
    let x=10;
    let y=20;
    if( (x<y) && (x>y))
    {
      document.writeln("it is an and function");
    }
    if( (x<y) || (x>y))
    {
      document.writeln("it is an or function");
    }
  </script>
</body>
```

**OUTPUT**

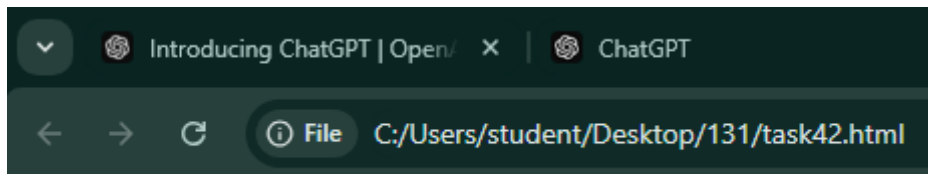


it is an or function

#### TASK 46

```
<body>
  <script>
    let num=10;
    if(num>5 && num<20) {
      document.writeln("it is an range");
    }
    else{
      document.writeln("it is not an range");
    }
  </script>
</body>
```

#### OUTPUT



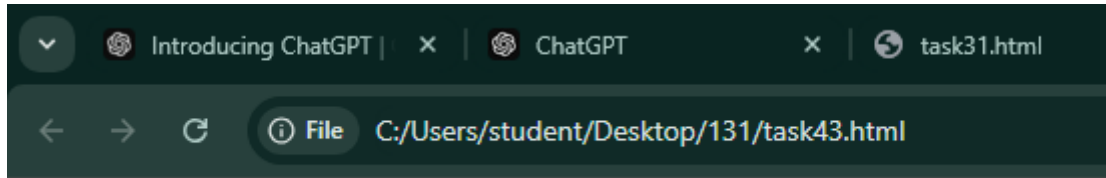
it is an range

#### TASK 47

```
<body>
  <script>
    let bool=true;
    if(bool)
    {
      document.writeln(!bool);
    }
  </script>
</body>
```

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

#### OUTPUT

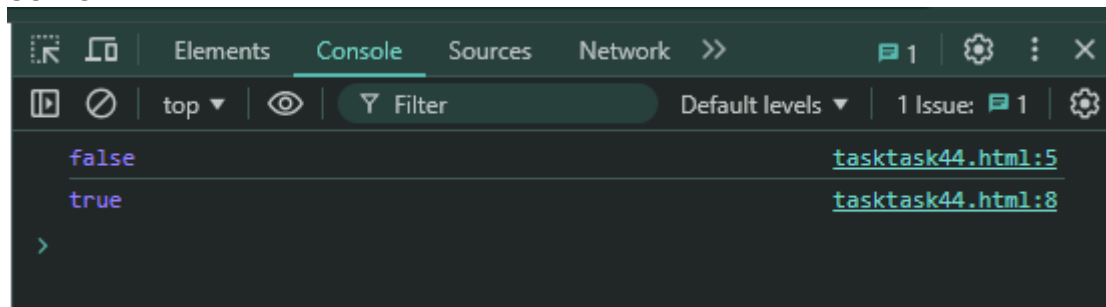


false

#### TASK 48

```
<body>
  <script>
    let a = true;
    let b = false;
    console.log(a && b);
    let c = false;
    let d = true;
    console.log(c || d);
  </script>
</body>
```

#### OUTPUT

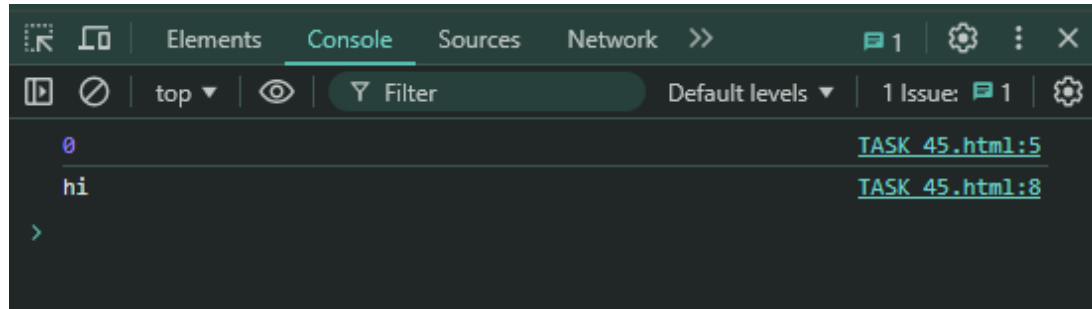


#### TASK 49

```
<body>
  <script>
    let a = 0;
    let b = "hello";
    console.log(a && b);
    let c = "hi";
    let d = "welcome";
    console.log(c || d);
```

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

#### OUTPUT



## TASK 51

```
<script>

  let greet = (name)=>`Hello,${name}!`;

  console.log(greet("john"));

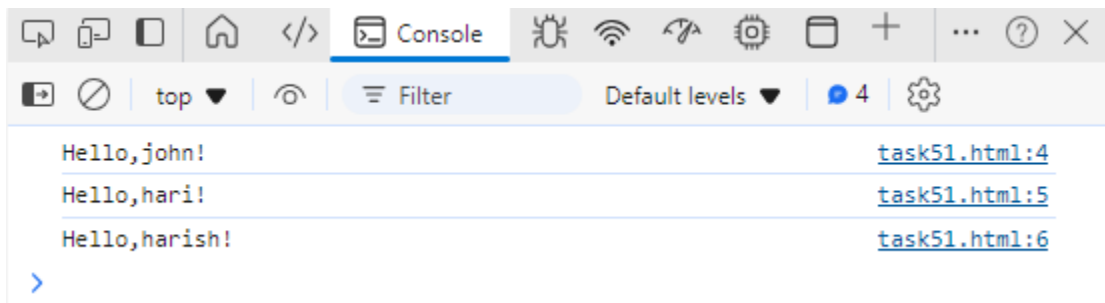
  console.log(greet("hari"));

  console.log(greet("harish"));

</script>

</body>
```

## OUTPUT



## TASK 52

```
<body>

<script>

  let add = (x,y)=>{

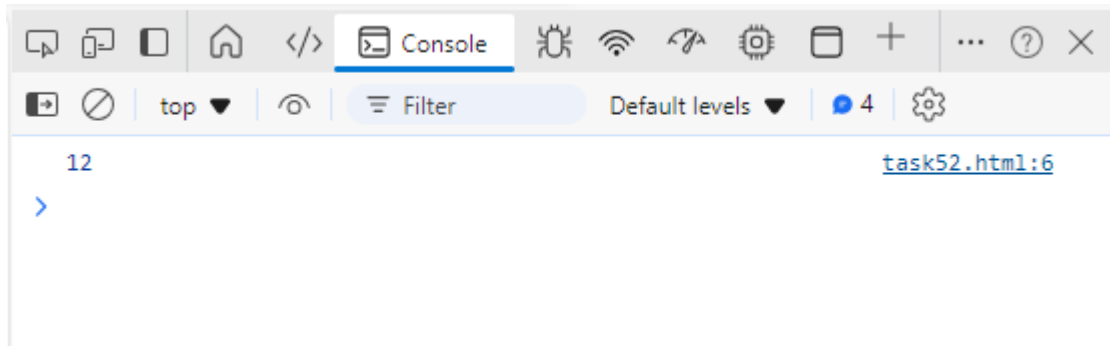
  return x+y;  }

  console.log(add(4,8));

</script>

</body>
```

## OUTPUT



### TASK 53

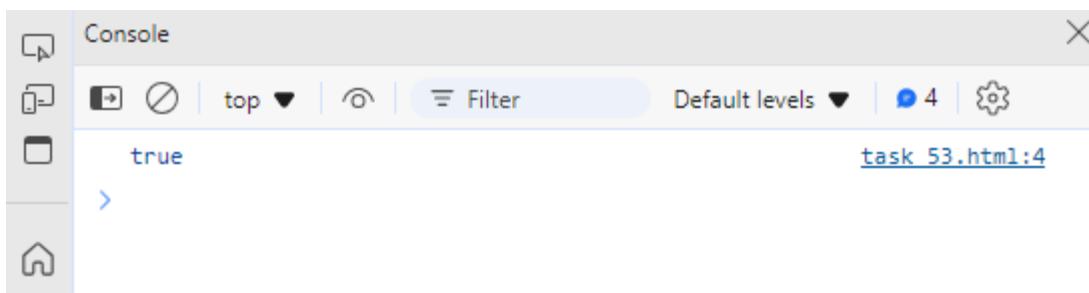
```
<body>
  <script>

    let iseven=(num)=> (num % 2 == 0);

    console.log(iseven(8));

  </script>
</body>
```

### OUTPUT



### TASK 54

```
<body>

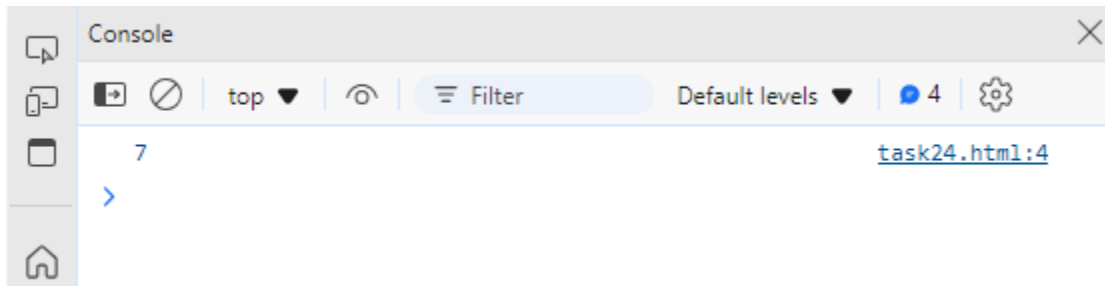
  <script>

    let ismax=(num1,num2)=>num1>num2?num1:num2;

    console.log(ismax(4,7));

  </script>
</body>
```

## OUTPUT



## TASK 55

<body>

<script>

```
let myobject={  
  value:18,  
  multiplytraditional :function(num){  
    console.log("this function in traditional",this);  
    return this.value*num;  
  },  
  multiplyarrow :(num)=>  
  {  
    console.log("this function is in arrow function");  
    return this.value*num;  
  }  
};  
  
console.log(myobject.multiplytraditional(7));  
  
console.log(myobject.multiplyarrow(8));
```

</script>

</body>



## OUTPUT

