

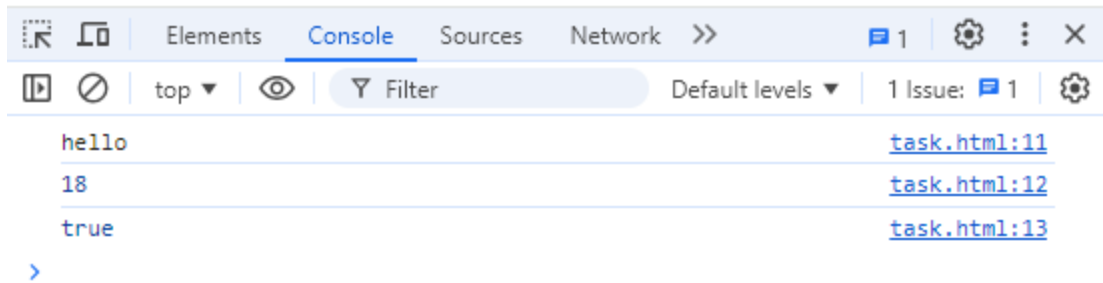
```
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
  </head>
  <body>
    <script>
      let message="Hello World!";
      alert(message);
    </script>
  </body>
</html>
```

TASK 1 OUTPUT:



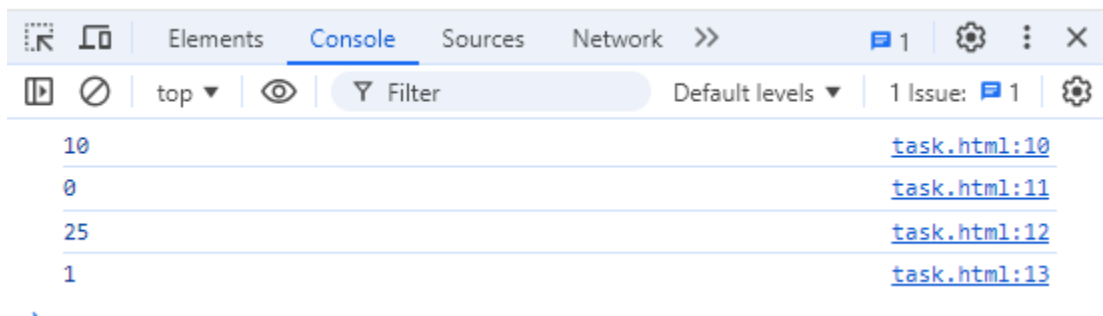
TASK 2:

```
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
  </head>
  <body>
    <script>
      let message="hello";
      let age=18;
      let num=true;
      console.log(message);
      console.log(age);
      console.log(num);
    </script>
  </body>
</html>
```



TASK 3:

```
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
  </head>
  <body>
    <script>
      let a=5;
      let b=5;
      console.log(a+b);
      console.log(a-b);
      console.log(a*b);
      console.log(a/b);
    </script>
  </body>
</html>
```



TASK 4:

```
<html>
  <head>
```

```

    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
  </head>
  <body>
    <script>
      let a="hello";
      let b="nisha";
      document.writeln(a+b);
    </script>
  </body>
</html>

```

Output:

hellonisha

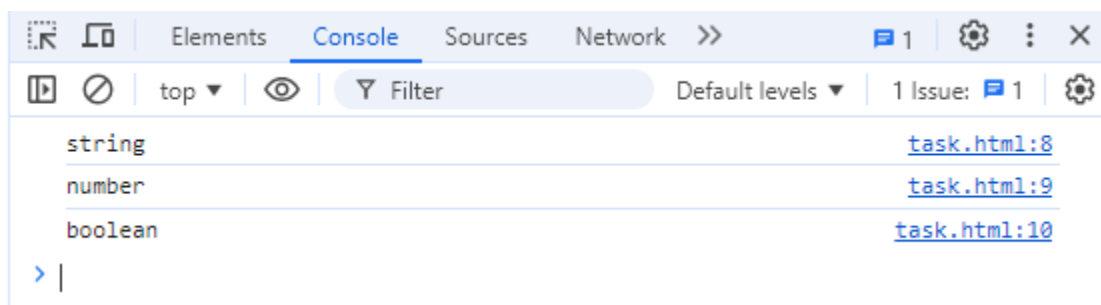
TASK 5:

```

<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
  </head>
  <body>
    <script>
      console.log(typeof "hello");
      console.log(typeof 10);
      console.log(typeof true);
    </script>
  </body>
</html>

```

Output:



#### TASK 6:

```
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
  </head>
  <body>
    <script>
      //This is single line comment
      /*This is multi line comment
      -the difference between these two*/
    </script>
  </body>
</html>
```

Output:

- Single-Line Comments: Start with // and extend to the end of the line.
- Multi-Line Comments: Start with /\* and end with \*/. They can span multiple lines.
- Documentation Comments: Start with /\*\* and end with \*/. These are used to create formal documentation using Javadoc.

#### TASK 7:

```
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
  </head>
  <body>
    <script>
      let num=10;
      document.writeln(num);
      let message="hi"
      document.writeln(message)
    </script>
  </body>
</html>
```

Output:

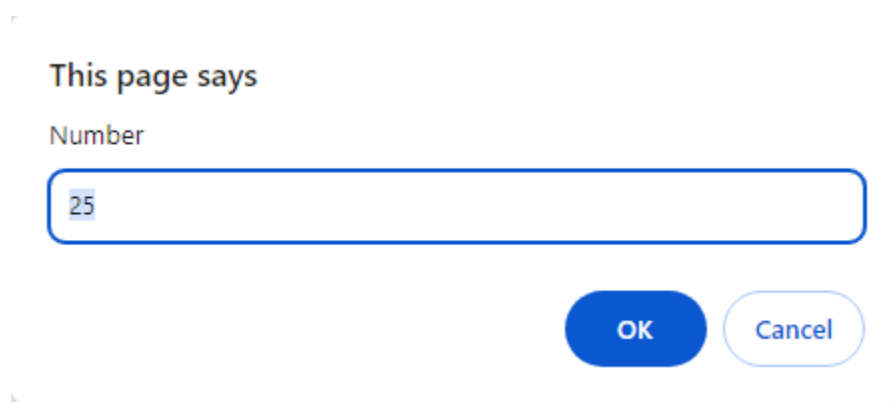
The code would work as expected in both cases, because:

- `let num = 10` and `document.writeln(num)` are separate statements, so JavaScript knows the end of each line.
- Similarly, `let message = "hi"` and `document.writeln(message)` are understood as separate statements as well.

TASK 8:

```
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
  </head>
  <body>
    <script>
      let num=prompt("Number",25);
      if(isNaN(num)){
        document.writeln("Invalid number");
      }else{
        if(num<=25){
          document.writeln("Expected number");
        }else{
          document.writeln("Above the expected number");
        }
      }
    </script>
  </body>
</html>
```

Output:



This page says

Number

OK Cancel

Expected number

#### TASK 9:

```
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
  </head>
  <body>
    <script>
      let message="hi ",message1="hello",message2="!";
      document.writeln(message,message1,message2);
    </script>
  </body>
</html>
```

Output:

hi hello!

#### TASK 10:

```
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
    <script>
      document.writeln("The script is at the top."+"<br>");
    </script>
  </head>
  <body>
    The body is present below the script.;
  </body>
</html>
```

---

The script is at the top.  
The body is present below the script.;

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

  </head>
  <body>
    The body is present above the script.<br>
    <script>
      document.writeln("The script is at the bottom.");
    </script>
  </body>
</html>
```

---

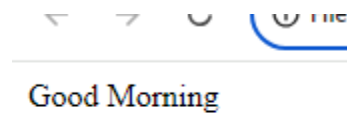
The body is present above the script.  
The script is at the bottom.

TASK 11:

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

  </head>
  <body>
    <script>
      value="Good Morning";
      document.writeln(value);
    </script>
  </body>
</html>
```

Output:



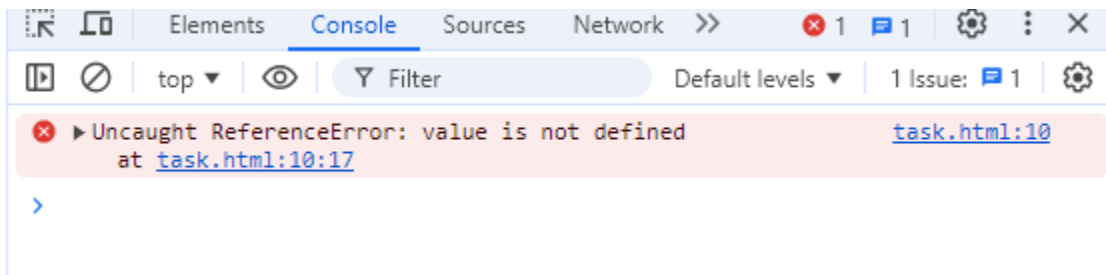
TASK 12:

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

  </head>
  <body>
    <script>
      "use strict";
      value=true;
      console.log(value);
    </script>
  </body>
</html>
```



Output:

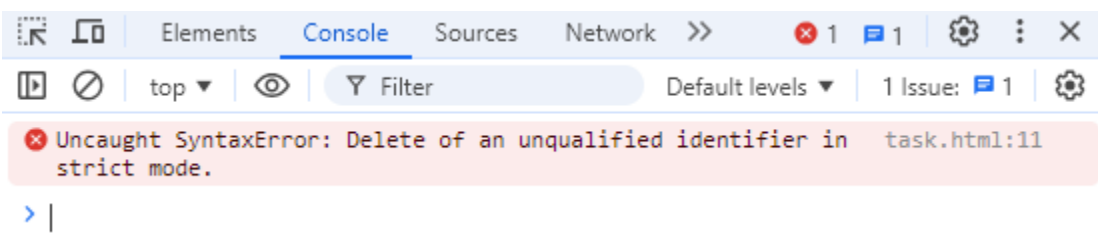


TASK 13:

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

  </head>
  <body>
    <script>
      "use strict";
      var myVar="hello";
      delete myVar;
      "use strict"
      function myFunction(){
        return "hi";
      }
      delete myFunction;
      "use strict"
      function myFunction(message)
      delete message;
      myFunction(10);
    </script>
  </body>
</html>
```

Output:

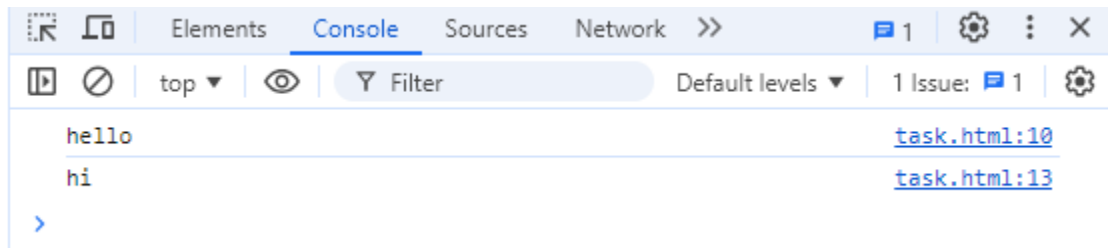


TASK 14:

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,initial-scale=1.0">

</head>
<body>
  <script>
    value="hello";
    console.log(value);
    "use strict";
    value="hi";
    console.log(value);
  </script>
</body>
</html>
```

OUTPUT:

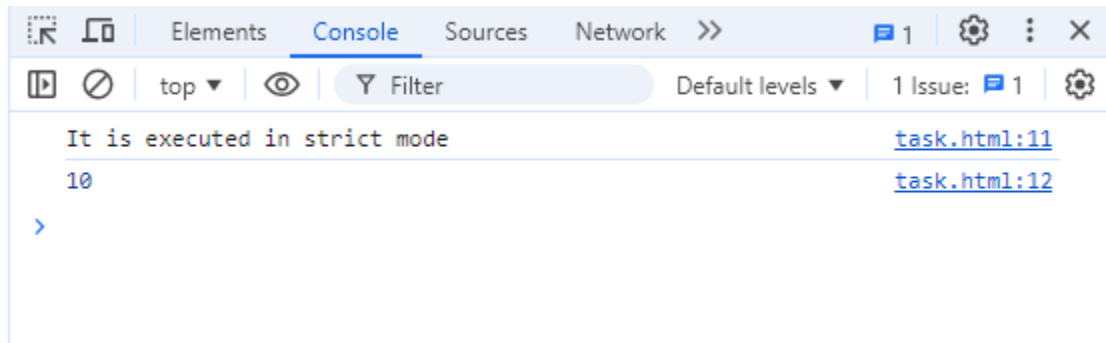


TASK 15:

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

  </head>
  <body>
    <script>
      "use strict"
      const num= 10;
      console.log("It is executed in strict mode");
      console.log(num);
    </script>
  </body>
</html>
```

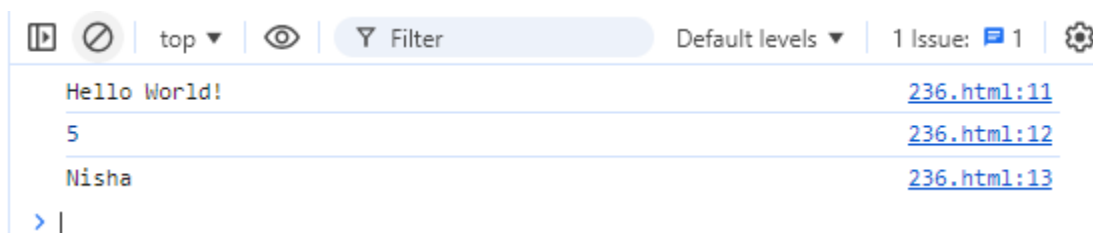
OUTPUT:



## TASK 16:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
let message="Hello World!";
const num=5;
var name="Nisha";
console.log(message);
console.log(num);
console.log(name);
</script>
</body>
</html>
```

## OUTPUT:



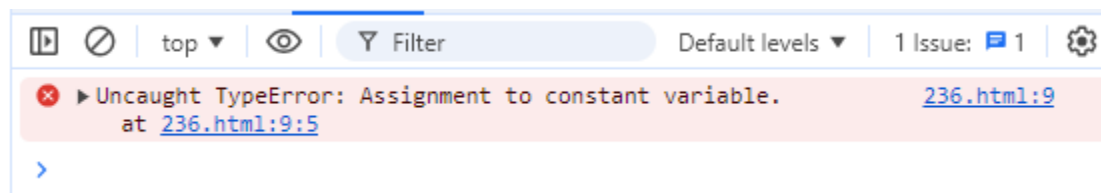
- **Use `var`:**
  - Only if you need compatibility with older JavaScript environments or if you're working with legacy code.
- **Use `let`:**
  - When a variable needs to be reassigned, and its scope should be limited to a block (e.g., within a loop or conditional statement).
- **Use `const`:**
  - When the variable's reference should not change after it's initialized, but you might still modify the contents (e.g., objects, arrays).

TASK 17:

```
<html><head>

<meta charset="UTF-8">
<meta name:"viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
const num=5;
  num=10;
console.log(num);
</script>
</body>
</html>
```

OUTPUT:

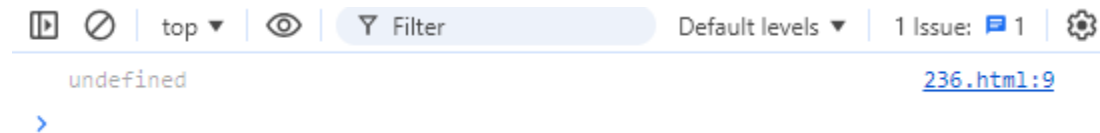


TASK 18:

```
<html>
<head>
<meta charset="UTF-8">
<meta name:"viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
var a;
```

```
console.log(a);  
</script>  
</body>  
</html>
```

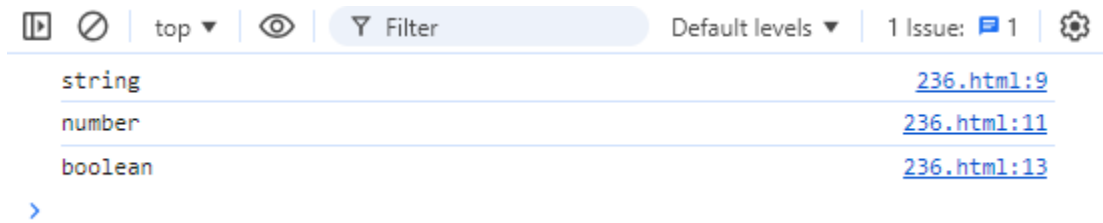
OUTPUT:



TASK 19:

```
<html>  
<head>  
<meta charset="UTF-8">  
<meta name="viewport" content="width=device-  
width,initial-scale=1.0">  
</head>  
<body>  
<script>  
var name="Hello";  
console.log(typeof name);  
var num=5;  
console.log(typeof num);  
var a=true;  
console.log(typeof a);  
</script>  
</body>  
</html>
```

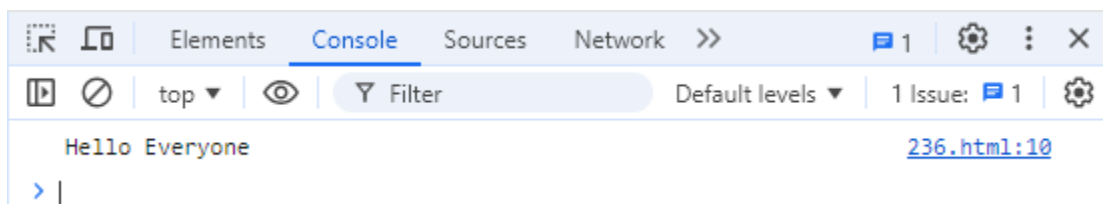
OUTPUT:



TASK 20:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
var name="Hello Everyone";
var a=name;
console.log(a);
</script>
</body>
</html>
```

OUTPUT:

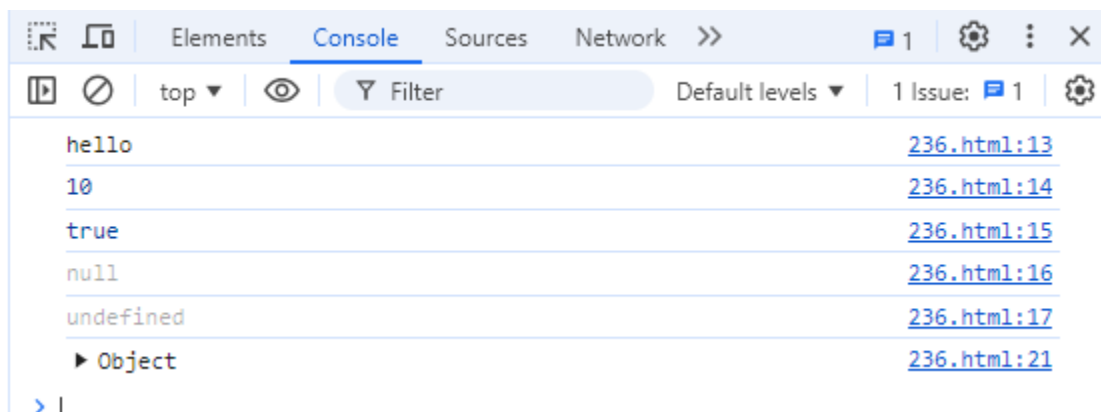


TASK 21:

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

```
<meta name="viewport" content="width=device-  
width,initial-scale=1.0">  
</head>  
<body>  
<script>  
var name="hello";  
var num=10;  
var a=true;  
var n=null;  
var b;  
console.log( name);  
console.log( num);  
console.log( a);  
console.log( n);  
console.log( b);  
let student={  
    name:"Nisha"  
};  
console.log(student);  
</script>  
</body>  
</html>
```

OUTPUT:









TASK 22:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
var name="Hello";
console.log(typeof name);
var num=5;
console.log(typeof num);
var a=true;
console.log(typeof a);
</script>
</body>
</html>
```

OUTPUT:




		top ▼		Filter	Default levels ▼	1 Issue:  1	
				string		<a href="#">236.html:9</a>	
				number		<a href="#">236.html:11</a>	
				boolean		<a href="#">236.html:13</a>	
				>			

TASK 23:

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

```
<meta name="viewport" content="width=device-  
width,initial-scale=1.0">  
</head>  
<body>  
<script>  
var name="Hello";  
console.log(typeof name);  
var num=5;  
console.log(typeof num);  
var a=true;  
console.log(typeof a);  
</script>  
</body>  
</html>
```

OUTPUT:

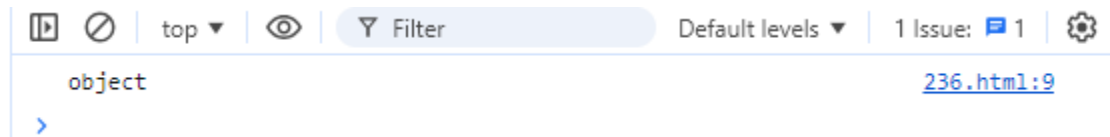
  top ▼  Filter	Default levels ▼	1 Issue:  1 
string		<a href="#">236.html:9</a>
number		<a href="#">236.html:11</a>
boolean		<a href="#">236.html:13</a>
>		

TASK 24:

```
<html>  
<head>  
<meta charset="UTF-8">  
<meta name="viewport" content="width=device-  
width,initial-scale=1.0">  
</head>  
<body>  
<script>  
var a=null;
```

```
console.log(typeof a);  
</script>  
</body>  
</html>
```

OUTPUT:



TASK 25:

```
<html>  
<head>  
<meta charset="UTF-8">  
<meta name="viewport" content="width=device-  
width,initial-scale=1.0">  
</head>  
<body>  
<script>  
var a="HELLO";  
let name="Welcome to everyone";  
console.log(a );  
console.log(name);  
  
</script>  
</body>  
</html>
```

OUTPUT:

```
top Filter Default levels 1 Issue: 1
HELLO 236.html:10
Welcome to everyone 236.html:11
> |
```

TASK 26:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
var a="42";
var number=a*1;
console.log(number);
let b="25";
let num=Number(b);
console.log(num);

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

OUTPUT:

```
top Filter Default levels 1 Issue: 1
42 236.html:10
25 236.html:13
>
```

TASK 27:

```
<html>
```

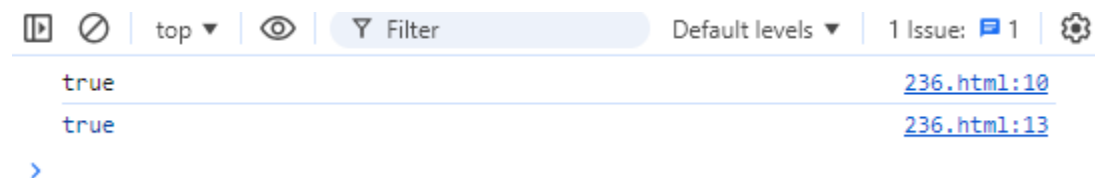
```

<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
var bool=true;
var str=bool+"";
console.log(str);
let b="hello";
let a=Boolean(b);
console.log(a);

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

```

OUTPUT:



TASK 28:






```

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

```

```
<script>
let a=7;
let b=10;
console.log(a+b);
console.log(a-b);
console.log(a*b);
console.log(a/b);
</script>
</body>
</html>
```

OUTPUT:






		top ▼		Filter	Default levels ▼	1 Issue:  1	
17						<a href="#">236.html:10</a>	
-3						<a href="#">236.html:11</a>	
70						<a href="#">236.html:12</a>	
0.7						<a href="#">236.html:13</a>	
>							

TASK 29:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
let a=7;
let b=10;
console.log(a++);
console.log(a);
```

```
console.log(b--);  
console.log(b);  
</script>  
</body>  
</html>
```

OUTPUT:

		top ▼		Filter	Default levels ▼	1 Issue:  1	
7						<a href="#">236.html:10</a>	
8						<a href="#">236.html:11</a>	
10						<a href="#">236.html:12</a>	
9						<a href="#">236.html:13</a>	

TASK 30:

```
<html>  
<head>  
<meta charset="UTF-8">  
<meta name="viewport" content="width=device-  
width,initial-scale=1.0">  
</head>  
<body>  
<script>  
let a=7;  
let b=10;  
let result=a+b*2 + --a - ++b;  
console.log(result);  
</script>  
</body>  
</html>
```

OUTPUT:

22 [236.html:11](#)

>

TASK 31:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
let a=7;
let b=10;
console.log(a<b);
console.log(a>b);
console.log(a<=b);
console.log(a>=b);
</script>
</body>
</html>
```

OUTPUT:

top Filter Default levels 1 Issue: 1

true	<a href="#">236.html:10</a>
false	<a href="#">236.html:11</a>
true	<a href="#">236.html:12</a>
false	<a href="#">236.html:13</a>

TASK 32:

```
<html>
<head>
```







```

<meta charset="UTF-8">
<meta name:"viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
let a=20;
let b="20";
console.log(a==b);
console.log(a===b);

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

```

OUTPUT:

		top ▾		Filter	Default levels ▾	1 Issue:  1	
				true		<a href="#">236.html:10</a>	
				false		<a href="#">236.html:11</a>	

TASK 33:

```

<html>
<head>
<meta charset="UTF-8">
<meta name:"viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
let a="ron";
let b="john";

```

```
console.log(a<b);
console.log(a>b);
console.log(a<=b);
console.log(a>=b);
console.log(a==b);
console.log(a===b);
</script>
</body>
</html>
```

OUTPUT:

false	<a href="#">236.html:10</a>
true	<a href="#">236.html:11</a>
false	<a href="#">236.html:12</a>
true	<a href="#">236.html:13</a>
false	<a href="#">236.html:14</a>
false	<a href="#">236.html:15</a>

TASK 34:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
let a=10;
let b="10";
console.log(a!=b);
console.log(a!==b);
</script>
```

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

OUTPUT:

false	<a href="#">236.html:10</a>
true	<a href="#">236.html:11</a>

TASK 35:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-
width,initial-scale=1.0">
</head>
<body>
<script>
let a=null;
let b;
console.log(a==b);
console.log(a===b);
</script>
</body>
</html>
```

OUTPUT:

true	<a href="#">236.html:10</a>
false	<a href="#">236.html:11</a>

TASK 36:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let num=10;
if(num%2 == 0){
    document.writeln("It is an even number");
}else{
    document.writeln("It is an odd number");
}
</script>
</body>
</html>
```

OUTPUT:

---

It is an even number

TASK 37:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let num=18;
if(num>=0){
    document.writeln("It is positive integer");
}else if(num<=0){
    document.writeln("It is negative integer");
}else{
    document.writeln("It is an zero");
}
</script>
</body>
</html>
```

OUTPUT:

It is positive integer

TASK 38:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let age=prompt("age?",20);
let message=(age<10)?"Hi baby!":
(age<=18)?"Hello junior!": (age>=20)?"Hello senior!":
"Hello !";
alert(message);
</script>
</body>
</html>
```

OUTPUT:

This page says

age?

OK

Cancel

This page says

Hello senior!

OK

TASK 39:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let num=3;
let message=(num%2==0)?"EVEN NUMBER":"ODD NUMBER";
alert(message);
</script>
</body>
</html>
```

OUTPUT:



TASK 40:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let num=-5;
let message=(num>=0)?"POSITIVE INTEGER":"NEGATIVE INTEGER";
alert(message);
</script>
</body>
</html>
```

OUTPUT:

This page says

NEGATIVE INTEGER

OK

TASK 41:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let a=10;
let b=20;
console.log(a&&b);
console.log(a||b);
console.log(!a);
</script>
</body>
</html>
```

OUTPUT:

20	<a href="#">task.html:10</a>
10	<a href="#">task.html:11</a>
false	<a href="#">task.html:12</a>

> |

TASK 42:

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

```
let a=25;
let b=12;
let c=30;
if(a>=b && a>=c){
    console.log("A IS BIGGER THAN B AND C ");
}else if(a>=b || a>=c){
    console.log("A IS BIGGER THAN ANYONE DIGIT.");
}else if(!a <=b){
    console.log("A IS SMALLER ONE.");
}else{
    console.log("INVALID");
}
</script>
</body>
</html>
```

OUTPUT:

A IS BIGGER THAN ANYONE DIGIT. [task.html:14](#)

[task.html:14](#)

TASK 43:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let boolean=true;
console.log(!boolean);
</script>
</body>
</html>
```

OUTPUT:

```
false task.html:9
```

[task.html:9](#)



TASK 44:<html>

```
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let a=5;
let b=8;
console.log(a&&b);
console.log(a||b);
</script>
</body>
</html>
```

OUTPUT:

8	<a href="#">task.html:10</a>
5	<a href="#">task.html:11</a>
\	

TASK 45:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let a="hello"&&25;
console.log(a);
let b="hi"||"10";
console.log(b);
</script>
</body>
</html>
```

OUTPUT:

25	<a href="#">task.html:9</a>
hi	<a href="#">task.html:11</a>
>	

TASK 46:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
function makeUser(num1,num2){
    return num1 + num2;
}
console.log(makeUser(2,3));
</script>
</body>
</html>
```

OUTPUT:

```
5 task.html:11
> |
```

TASK 47:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let area=function (len,wid){
    return len*wid;
}
console.log(area(2,3));
</script>
</body>
</html>
```

OUTPUT:

6

[task.html:11](#)

> |

TASK 48:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let message=function (){
    document.writeln("Hello");
}
message();

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

OUTPUT:

Hello

TASK 49:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let area=function (len,wid){
    return ;
}
console.log(area(2,3));
</script>
</body>
</html>
```

OUTPUT:

```
undefined task.html:11
>
```

TASK 50:

```
<html>
<head>
<meta charset="UTF-8">
<meta name:"viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let area=function (len=10,wid=20){
    return len*wid;
}
console.log(area(2,3));
</script>
</body>
</html>
```

OUTPUT:

```
6 task.html:11
>
```

TASK 51:

```
<html>
<head>
<meta charset="UTF-8">
<meta name:"viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let greet=(name)=>{
    return("hello,"+name+"!");
}
console.log(greet("nisha"));
console.log(greet("baby"));
</script>
</body>
</html>
```

OUTPUT:

hello,nisha!	<a href="#">task.html:11</a>
hello,baby!	<a href="#">task.html:12</a>
>	

TASK 52:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let add=(a,b)=>{
    return a+b;
}
console.log(add(5,8));
console.log(add(6,9));
</script>
</body>
</html>
```

OUTPUT:

13	<a href="#">task.html:11</a>
15	<a href="#">task.html:12</a>

TASK 53:

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let isEven=(a)=>{
    if(a%2==0){
        return "True";
    }else{
        return "False";
    }
}
```

```

    }
}
console.log(isEven(5));
</script>
</body>
</html>

```

OUTPUT:

```

    False                                     task.html:15
> |

```

TASK 54:

```

<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let maxValue=(a,b)=>{
    if(a>b){
        return "a is largest";
    }else{
        return "It is not larger";
    }
}
console.log(maxValue(10,5));
</script>
</body>
</html>

```

OUTPUT:

```

    a is largest                               task.html:15
,

```

TASK 55:

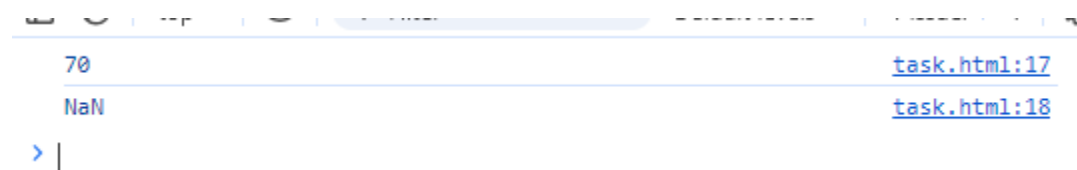
```

<html>
<head>

```

```
<meta charset="UTF-8">
<meta name:"viewport" content="width=device-width,initial-scale=1.0">
</head>
<body>
<script>
let myObject={
  value:10,
  multiplyTradition:function(num){
    return this.value*num;
  },
  multiplyArrow:(num)=>{
    return this.value*num;
  },
};
console.log(myObject.multiplyTradition(7));
console.log(myObject.multiplyArrow(7));
</script>
</body>
</html>
```

OUTPUT:



70	<a href="#">task.html:17</a>
NaN	<a href="#">task.html:18</a>

> |