```
TASK 1:

<!DOCTYPE html>
<head>

<title>introduction to javascript</title>
</head>
<body>

<script>

alert("Hello world");

</script>

</body>

</html>
```



```
TASK 2:

<!DOCTYPE html>
<head>

<title> js</title>
</head>
<body></body>
<script>

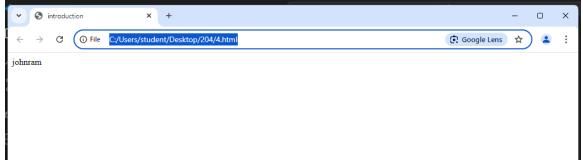
var name="John";
```

```
let num=5;
  let bool=true;
  console.log(name);
  console.log(num);
  console.log(bool);
</script>
</html>
OUTPUT:
💙 😉 js
← → C ① File C:/Users/student/Desktop/204/2.HTML
                                               ☐ Elements Console Sources Network Performance >>
                                               \bigcirc
                                                     Default levels ▼
                                                 John
                                                                                            2.HTML:10
                                                                                            2.HTML:11
                                                                                            2.HTML:12
                                                 true
                                               >
TASK 3:
<!DOCTYPE html>
<head>
  <title>
    introduction
  </title>
</head>
<body>
  <script>
    const s=10;
    const w=20;
    console.log(s+w);
    console.log(s-w);
    console.log(s*w);
```

```
console.log(s/w);
  </script>
</body>
OUTPUT:

▼ introduction

                                                                                                \leftarrow \rightarrow {\tt C} \odot File C:/Users/student/Desktop/204/3.html
                                                 🖫 🗖 Elements Console Sources Network Performance >>
                                                       3.html:11
                                                   -10
                                                                                               3.html:12
                                                   200
                                                                                               3.html:13
                                                   0.5
                                                                                               3.html:14
TASK 4:
<!DOCTYPE html>
<head>
  <title>introduction</title>
</head>
<body>
  <script>
    var name1="john";
    var name2="ram";
    document.write(name1+name2);
  </script>
</body>
</html>
```



```
TASK 5:
<html>
  <body>
<script>
 var name="john";
 let n=3;
 let bool=false;
  document.write(typeof name+"<br>");
  document.write(typeof n+"<br>");
  document.write(typeof bool);
</script>
</body>
</html>
OUTPUT:
File C:/Users/student/Desktop/204/5.html
                                                                         Google Lens
string
number
boolean
TASK 6:
<html>
  <body>
```

<script>

```
//single line comment
       document.write("this is single line comment");
       /*multi
       line
       comment*/
       document.write("this is multiline comment");
       document.write(" the difference betwwen these two comments are single line comment is used
only for single line and multiline comment is used for multiple lines");
     </script>
  </body>
</html>
OUTPUT:
                                                                                 Google Lens
 this is single line commentthis is multiline comment the difference between these two comments are single line comment is used only for single line and
TASK 7:
<html>
  <body>
     <script>
      //semicolon separated
       let a=10;
       let b=20;
       console.log(a*b);
       //semicolon not separated
       let c = 2
       let d=3
```

```
console.log(c*d)
   </script>
 </body>
</html>
OUTPUT:
             K [0
                                                   Network >>
                       Elements
                                 Console
                                          Sources
                      1 Issue: 🗖 1 🔯
                                                         Default levels ▼
                200
                                                                            7.html:7
                                                                           7.html:11
                6
TASK 8:
<html>
 <body>
    <script>
     let age=prompt("enter your age:");
     if(age>10 && age<18)
       alert("you r child");
       if(age>18 &&age<25)
       alert("you r teenager");
       if(age>25)
       alert("you r an adult");
    </script>
 </body>
```

</html>

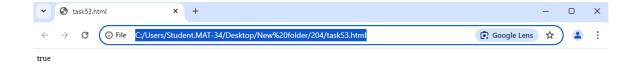
```
OUTPUT:
∨ '⊗ 8.html
\leftarrow \rightarrow X ( ) File C;/Users/student/Desktop/204/8.html
                                        This page says
TASK 9:
<html>
  <body>
     <script>
       //multiple variables in single line
       let a,b,c;
       a=10;
       b=20;
       c=30;
       document.write(a+b+c);
     </script>
  </body>
</html>
OUTPUT:
▼ ③ 9.html
 ← → ♂ ① File C/
                                                                                            TASK 10:
<html>
  <head>
     <script>
       document.write("script tag at the top"+"<br>");
     </script>
  </head>
```

```
<body>
 </body>
</html>
<html>
 <head>
 </head>
  <body>
    <script>
      document.write("script tag at the bottom");
    </script>
 </body>
</html>
OUTPUT:
▼ 3 10.html
                                                                                        - o ×
← → ♂ G Tile C:/Users/student/Desktop/204/10.html
```

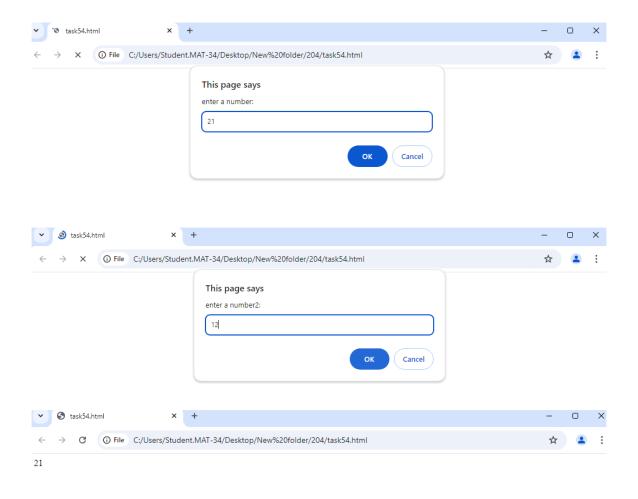
script tag at the top script tag at the bottom

```
TASK 51:
<html>
  <body>
    <script>
      let greet=(name)=>{
         document.write("hello!"+name);
      }
      greet("Gayu");
    </script>
  </body>
</html>
OUTPUT:
 ✓ ③ task51.html
                        × +
                                                                                             (i) File C:/Users/Student.MAT-34/Desktop/New%20folder/204/task51.htm
                                                                             Google Lens
                                                                                         ☆
hello!Gayu
TASK 52:
<html>
  <body>
    <script>
      let add=(a,b)=>{
         document.write(a+b);
      }
      add(2,3);
      add(7,7);
```

```
</script>
  </body>
</html>
OUTPUT:
     3 task52.html
                     C:/Users/Student.MAT-34/Desktop/New%20folder/204/task52.html
                                                                                           Goog
5
14
TASK 53:
<html>
  <body>
    <script>
     let isEven=(a)=>{
      if(a%2==0)
      document.write("true");
    else
    document.write("false");
      }
     isEven(8);
    </script>
  </body>
</html>
OUTPUT:
```



```
TASK 54:
<html>
  <body>
    <script>
      let max=(a,b)=>{
        if(a>b){
          document.write(a);
        }
        else{
          document.write(b);
        }
      }
      let a=parseInt(prompt("enter a number: "));
      let b=parseInt(prompt("enter a number2: "));
      max(a,b);
    </script>
  </body>
</html>
OUTPUT:
```



```
TASK55:

<html>

<body>

<script>

const myObject = {

value: 10,

multiplyTraditional: function(factor) {

console.log('Inside traditional function, this:', this);

return this.value * factor;
},
```

```
multiplyArrow: (factor) => {
  console.log('Inside arrow function, this:', this);
  return this.value * factor;
 }
};
console.log(myObject.multiplyTraditional(5));
console.log(myObject.multiplyArrow(5));
    </script>
  </body>
</html>
OUTPUT:
 ✓ ③ task55.html
                                                                                               ×
     → C ① File C:/Users/Student.MAT-34/Desktop/New%20folder/204/task55.html
                                                Elements Console Sources Network >>
                                                                                           □1 🕸 : ×
                                                Default levels ▼ 1 Issue: ■ 1 Sequence
                                                  Inside traditional function, this: ▶ Object
                                                                                           task55.html:7
                                                                                          task55.html:17
                                                  Inside arrow function, this: ▶ Window
                                                                                           task55.html:12
                                                                                          task55.html:18
TASK11:
<html>
<head>
<meta charset ="UTF-8">
<meta name:"viewport" content="width+device_width,initial-scale=1.0">
</head>
```

<body>

```
<script>
name="lets welcome to coding!"
document.writeIn(name);
</script>
</body>
</html>
OUTPUT:
 ✓ ③ task11.html
                  C:/Users/Student.MAT-34/Desktop/New%20folder/204/task11.html

    Google Lens 
    ☆

lets welcome to coding!
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="lets welcome to coding!";
console.log(value);
</script>
</body>
</html>
Output:
                                                                                              task12.html:9
```

```
TASK13:
<html>
<head>
<meta charset ="UTF-8">
<meta name:"viewport" content="width+device_width,initial-scale=1.0">
</head>
<body>
<script>
"use strict";
var name="john";
delete name;
"use strict";
function myfunction(){
return welcome guys!;
delete myfunction;
"use strict";
function myfunction(goodmorning)
delete myfunction;
</script>
</body>
</html>
OUTPUT:
                                                                       Open task13.html
                                                                                     task13.html:10
TASK14:
```

<html>

```
<head>
<meta charset ="UTF-8">
<meta name:"viewport" content="width+device_width,initial-scale=1.0">
</head>
<body>
<script>
name="welcome everyone!";
console.log(name);
"use strict";
name="thankyou everyone!";
console.log(name);
</script>
</body>
</html>
Output:
  PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL PORTS
                                                                         Open task14.html
                                                                                       task14.html:10
                                                                                       task14.html:13
TASK15:
<html>
<head>
<meta charset ="UTF-8">
<meta name:"viewport" content="width+device_width,initial-scale=1.0">
</head>
<body>
<script>
"use strict";
const name ="Abishek"
```

console.log(name);	
Output:	

task15.html:10

```
TASK 16:
<html>
  <body>
    <script>
      var name="priya";
      let age=12;
      const n=10;
      document.write(name+"<br>");
      document.write(age+"<br>");
      document.write(n+"<br>");
      document.write("if we want to redeclare a variable use var and if
we want to reassign the value use let and if we want constant value use
const")
    </script>
  </body>
</html>
OUTPUT:
```



```
<script>
       let a;
       document.write(a);
    </script>
  </body>
</html>
OUTPUT:
→ C • File C:/Users/Student.MAT-58.000/Desktop/204/task18.html
undefined
TASK 19:
<html>
  <body>
    <script>
       let a=10;
       var n="rose";
       let b=true;
       document.write(typeof a+"<br>");
       document.write(typeof n+"<br>");
```

```
document.write(typeof b);
     </script>
  </body>
</html>
OUTPUT:
   stask19.html
               C:/Users/Student.MAT-58.000/Desktop/204/task19.html

    Google Lens 
    ☆

number
string
boolean
TASK 20:
<html>
  <body>
     <script>
        var a=10;
        var a=20;
        document.write(a);
     </script>
  </body>
</html>
OUTPUT:
```



TASK 21:

```
<html>
  <body>
    <script>
      let a;
      let n=10;
      var s="hani";
      let d=null;
      let b=true;
      let o={
        name:"gayu"
      };
      document.write(a);
      document.write(s+"<br>");
      document.write(n+"<br>");
      document.write(d+"<br>");
      document.write(b+"<br>");
```

```
document.write(o.name);
     </script>
     </script>
  </body>
</html>
OUTPUT:
 ▼ stas21.html
              C:/Users/Student.MAT-58.000/Desktop/204/tas21.htm

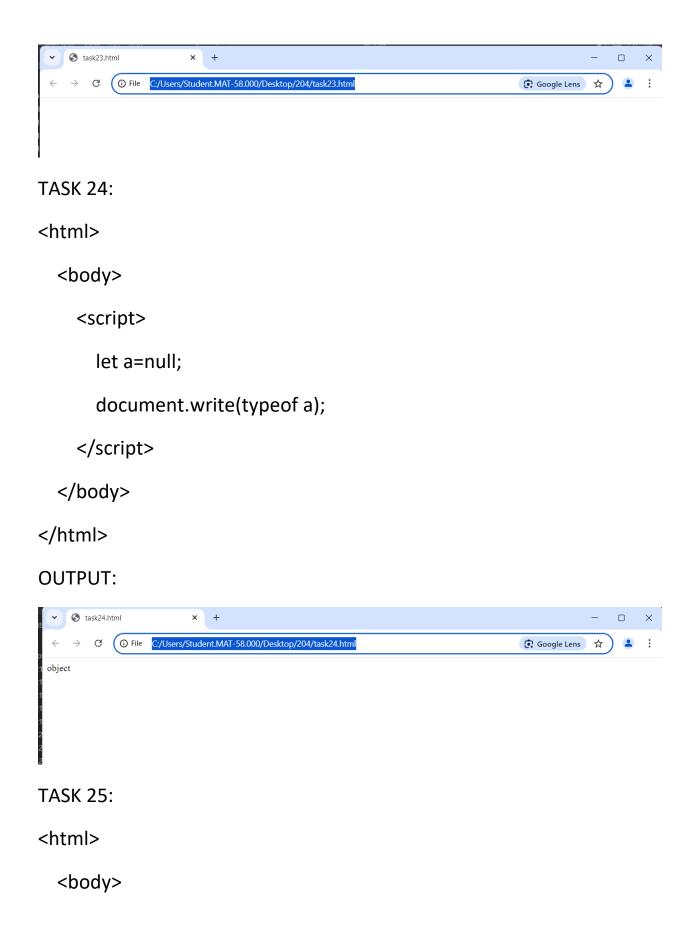
    Google Lens 
    ☆

undefined
hani
null
true
gayu
TASK22:
<html>
  <body>
     <script>
       let a=10;
       var n="rose";
       let b=true;
       document.write(typeof a+"<br>");
       document.write(typeof n+"<br>");
       document.write(typeof b);
```

```
</script>
  </body>
</html>
OUTPUT:
    stask19.html
                C:/Users/Student.MAT-58.000/Desktop/204/task19.html

    Google Lens 
    ☆

string
boolean
TASK 23:
<html>
  <body>
     <script>
        let a=$;
        document.write(typeof a);
     </script>
  </body>
</html>
OUTPUT:
```



```
<script>
      if (true) {
 let y = 20;
}
console.log(y);
if (true) {
var x = 10;
}
console.log(x);
    </script>
  </body>
</html>
OUTPUT:
 K [0
                                                     ⊗ 1 □ 1 ⊗3
          Elements
                    Console
                             Sources
                                     Network >>
          Default levels ▼
                                                           1 Issue: 📃 1

⊗ ► Uncaught ReferenceError: y is not defined

                                                           task25.html:7
       at task25.html:7:16
 >
TASK 28:
<html>
  <body>
```

```
<script>
       let a=10;
       let b=20;
       document.write(a+b+"<br>");
       document.write(a-b+"<br>");
       document.write(a*b+"<br>");
       document.write(a/b+"<br>");
    </script>
  </body>
</html>
OUTPUT:
      C:/Users/Student.MAT-58.000/Desktop/204/task28.html

    Google Lens 
    ☆

30
-10
200
TASK 29:
<html>
  <body>
```

<script>

let a=10;

```
document.write(a+++"<br>");
       document.write(a--);
    </script>
  </body>
</html>
OUTPUT:
   → C (i) File C:/Users/Student.MAT-58.000/Desktop/204/task29.html
                                                               ⊙ Google Lens ☆
TASK 30:
<html>
  <body>
    <script>
       let a=20;
       let b=19;
       let c=28;
       document.write(a+b*c/a+2);
    </script>
  </body>
</html>
```

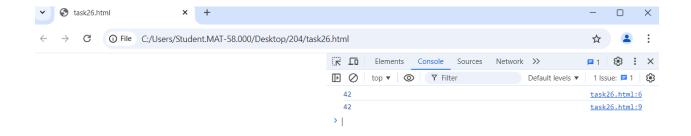
OUTPUT:

```
      Y
      ★
      +
      -
      □
      X

      +
      →
      C
      ① File
      C:/Users/Student.MAT-58.000/Desktop/204/task30.html
      ♠
      ♣
      ⋮

      48.6
```

TASK 26: <html> <body> <script> let str = "42"; let num = str * 1 console.log(num); let str1 = "42"; let num1= parseInt(str1); console.log(num1); </script> </body> </html>



```
TASK 27:
<html>
  <body>
    <script>
      let boolean = true;
      let str = String(boolean);
      document.writeln(str + "<br>");
      document.writeln(typeof str + "<br>");
       let name = "gayathiri";
      let bool = Boolean(name);
      document.writeln(bool + "<br>");
      document.writeln( typeof bool+ "<br>");
    </script>
  </body>
</html>
OUTPUT:
```



```
TASK 31:

<html>

<body>

<script>

let a=10;

let b=20;

document.write(a>b+"<br>");

document.write(a<b+"<br>");

document.write(a<=b+"<br>");

document.write(a>=b+"<br>");

document.write(a==b+"<br>");

document.write(a==b+"<br>");

</script>

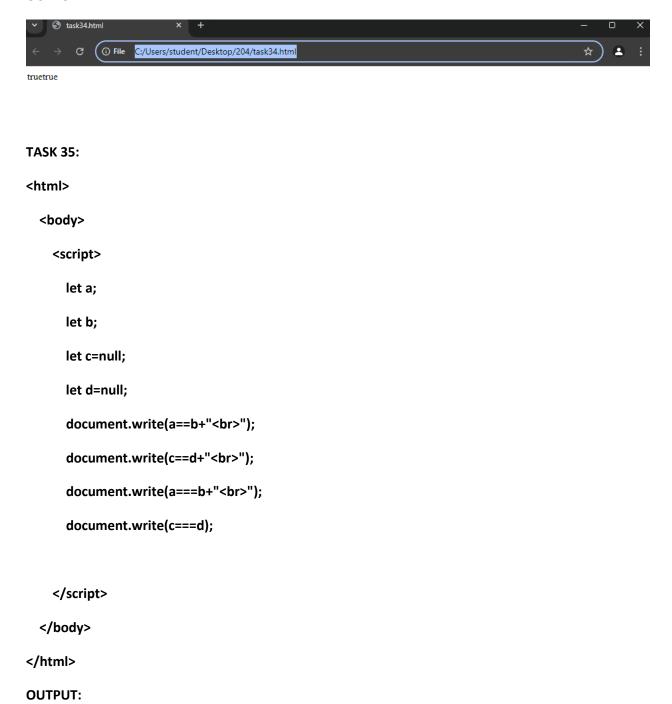
</body>

</html>
```

```
Ō
                                                                         ×
K [0
                                                            □1 | ③ :
                                       Network >>
          Elements
                    Console
                             Sources
1 Issue: 🗖 1 🏻 🛞
         top ▼ | ③ |
                     Y Filter
                                              Default levels ▼
                                                             task31.html:6
                                                             task31.html:7
                                                             task31.html:8
                                                             task31.html:9
                                                           task31.html:10
                                                           task31.html:11
```

```
<html>
  <body>
    <script>
      let a=10;
      let b=20;
      document.write(a===b);
       document.write(a==b);
                                     </script>
  </body>
</html>
OUTPUT:
         C:/Users/student/Desktop/204/task32.html
 falsefalse
TASK33:
<html>
  <body>
    <script>
      // Define two strings
let string1 = "apple";
let string2 = "banana";
// Compare using the <, >, and === operators
if (string1 < string2) {</pre>
  console.log(`"\$\{string1\}" comes before "\$\{string2\}" lexicographically.`);
```

```
} else if (string1 > string2) {
  console.log(`"${string1}" comes after "${string2}" lexicographically.`);
} else {
  console.log(`"${string1}" is equal to "${string2}" lexicographically.`);
}
    </script>
  </body>
</html>
             ① File C:/Users/student/Desktop/204/task33.html
                                                        "apple" comes before "banana" lexicographically.
                                                                                                    task33.html:10
TASK 34:
<html>
  <body>
     <script>
       let a=10;
       let b=20;
       document.write(a!=b+"<br>");
       document.write(a!==b);
     </script>
  </body>
</html>
```

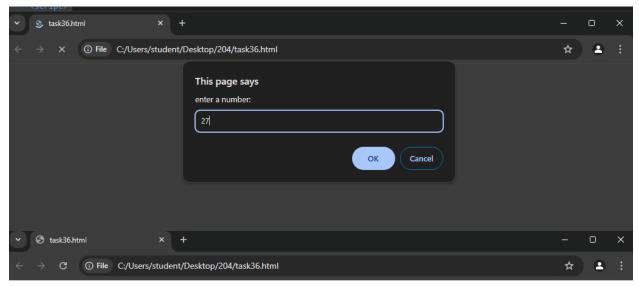




falsefalsefalsetrue

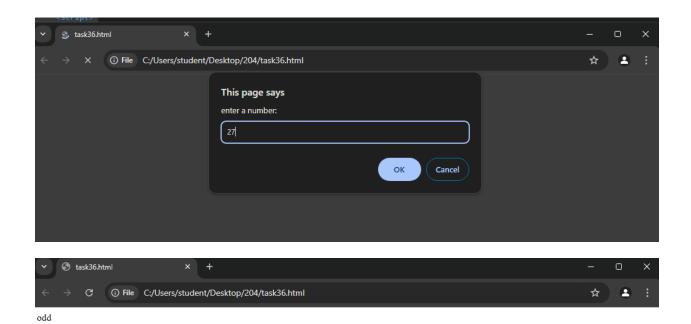
```
TASK 36:
<html>
<body>
<script>
let a=prompt("enter a number:");
if(a%2==0)

document.write("even");
else
document.write("odd");
</script>
</body>
</html>
OUTPUT:
```



odd

```
if(a<0){
        document.write("negative<br>");
      }
    </script>
  </body>
</html>
OUTPUT:
           (i) File C:/Users/student/Desktop/204/task37.html
positive
TASK 38:
<html>
  <body>
    <script>
      let a=prompt("enter a number:");
      let result=(a%2==0)?document.write("even"):document.write("odd");
    </script>
  </body>
</html>
OUTPUT:
```



```
TASK 39:
<html>
<body>
<script>
let variable = 4;
let isValid = (variable !== undefined && variable !== null) ? true : false;
document.write(isValid);
</script>
</body>
</html>
```

```
TASK 40:
<a href="https://doi.org/10.1001/j.j.gov/">
<a href="https://doi.org/">
https://doi.org/">
<a href="https://doi.org/">
<a href="https
```

<script>

let a=34;

let b=90;

let c=(a>b)?a:b;

document.write(c);

</script>

</body>

</html>

OUTPUT:

```
      Y
      ★
      0
      1
      1
      0
      1
      0
      0
      0
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```

TASK 41:

<html>

<body>

<script>

let a=10;

let b=20;

```
document.write(a>b && a==b+"<br>");
      document.write(a>b | | a==b+"<br>");
       document.write(!a);
                               </script>
  </body>
</html>
OUTPUT:
     task41.html
     → C (i) File C:/Users/student/Desktop/204/task41.html
 falsefalsefalse
TASK 42:
<html>
<body>
  <script>
    let a=10;
    let b=(a>0 && a<=2000)?document.write("number in range"):document.write("number is not in
range");
  </script>
</body>
</html>
OUTPUT:
    task42.html
        C:/Users/student/Desktop/204/task42.html
number in range
```

TASK 43:

```
<html>
  <body>
    <script>
      let bool=true;
      document.write(!bool);
                                  </script>
  </body>
</html>
OUTPUT:
        C:/Users/student/Desktop/204/task43.html
false
TASK 44:
<html>
  <body>
    <script>
      const a = 5;
const b = 10;
const result = (a > 0 \&\& b < 20) \&\& "Both conditions are true";
console.log(result);
    </script>
  </body>
</html>
OUTPUT:
```



```
TASK 45:
<html>
  <body>
    <script>
      let a=10;
      let b=90;
      document.write(a>b || a<b);</pre>
    </script>
  </body>
</html>
OUTPUT:
TASK 46:
<html>
  <body>
    <script>
      function sum(a,b){
document.write( a+b);
      }
```

```
sum(5,5);
    </script>
  </body>
</html>
OUTPUT:
 ✓ ③ task46.html
     → C (i) File C:/Users/student/Desktop/204/task46.html
TASK 47:
<html>
  <body>
    <script>
       function area(I,b){
         document.write(I*b);
      }
       area(5,5);
    </script>
  </body>
</html>
OUTPUT:
     😚 task47.html
         C (i) File C:/Users/student/Desktop/204/task47.html
 25
Task 48:
<html>
```

```
<body>
    <script>
      function area(){
         document.write("good mrng");
      }
      area();
    </script>
  </body>
</html>
OUTPUT:
     → C (i) File C:/Users/student/Desktop/204/task48.html
 good mrng
TASK 49:
<html>
  <body>
    <script>
      function greet()
      {
      }
      greet();
    </script>
  </body>
```

</html>

OUTPUT:

```
      Y
      ★
      +
      -
      □
      X

      +
      →
      C
      ① File
      C:/Users/student/Desktop/204/task49.html
      ∴
      ∴
      ∴
```

```
TASK 50:
<html>
<body>
<script>
function sub(a,b){
    document.write(a-b+"<br>);
}
sub(6,2);
sub(9,6);
sub(7,8);
</script>
</body>
</html>
```

