Task 1:

Output:



Task 2:

```
Elements Console Sources Network >> □1 ② : X

□ ② top ▼ ③ ▼ Filter Default levels ▼ 1 Issue: □1 ②

Rishaali Untitled-1.html:10

Untitled-1.html:11

true Untitled-1.html:12

>
```

Task 3:

```
— □ ×

| Elements | Console | Sources | Network | Netwo
```

Task 4:

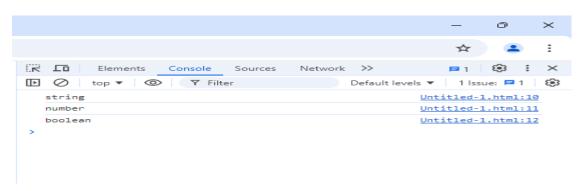
```
<html>
    <head>
        <title>Task 1</title>
    </head>
    <body>
        <script>
            var s1 = "hello";
            var s2 = "world";
            document.writeln(s1 + s2);
            </script>
            </body>
        </html>
```

Output:



helloworld

Task 5:



Task 6:

Single line comment:

// is used.

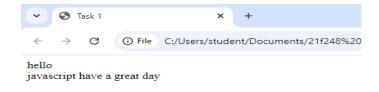
Comments can be given for a line.

Multi-line comment:

/**/ is used.

Comments can be given for many lines.

Task 7:



Task 8:

Output:

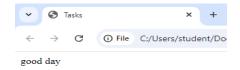


hello hi hi hi hello hello hello hello

Task 9:



Task 10:



Task 11:

Output:

```
Elements Console Sources Network >> □ 1 ② : X

Default levels ▼ 1 Issue: □ 1 ②

bye

Untitled-1.html:8
```

Task 12:

Task 13:

Output:

```
☐ Elements Console Sources Network >> ② 1 ☐ 1 ② : X

☐ O top ▼ ○ ▼ Filter Default levels ▼ 1 Issue: ☐ 1 ②

Suncaught SyntaxError: Delete of an unqualified identifier in strict mode. (at Untitled-1.html:10:14)

> Untitled-1.html:10
```

Task 14:

```
</html>
```

```
Elements Console Sources Network >> □ 1 ② : X

Default levels ▼ 1 Issue: □ 1 ②

bye

Untitled-1.html:8
```

Output:

Task 15:

```
<html>
    <head>
        <title>Tasks</title>
        </head>
        <body>
```



Task 16:

```
<html>
    <head>
        <title>Tasks</title>
        <head>
        <body>
            <script>
            var a =1;
            let b= 3;
            const PI = 3.14;
            </script>
            </body>
        </html>
```

We use let when we know that the value of the variable may change over time. For example, when we are working with a variable inside a loop, or when we want to update the value of a variable based on user input. On the other hand, we use const when we want to create a variable that should not be reassigned.

Task 17:

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

Task 18:

Output:

```
☐ Elements Console Sources Network >> □ 1 ② : X

Do top ▼ ② ▼ Filter Default levels ▼ 1 Issue: □ 1 ②

undefined 
>
```

Task 19:

```
<html>
<head>
<title>Tasks</title>
</head>
<body>
<script>
var name = "Rishaali";
var num = 5;
var age = true;
console.log(typeof name);
console.log(typeof num);
console.log(typeof age);
```

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

Task 20:

```
<html>
   <title>Tasks</title>
  <body>
   <script>
     const person = {
       name: "rish",
       age: 19,
      const { name: fullname } = person;
      console.log(fullname);
      let obj ={
       a:1
      };
     let{a:a1}=obj;
     console.log(a1);
    </script>
  </body>
```

```
Elements Console Sources Network >> □ 1 ② : ×

□ O top ▼ ○ ▼ Filter Default levels ▼ 1 Issue: □ 1 ②

rish Untitled-1.html:12

1 Untitled-1.html:17

>
```

Task 21:

```
<html>
    <head>
        <title>tasks</title>
    </head>
    <body>
        <script>
            var a;
            var b=1;
            var c="time";
            var d=true;
            var obj={
                name:"rishaali"
            };
            console.log(a);
            console.log(b);
            console.log(c);
            console.log(d);
            console.log(obj);
            console.log(e);
            var e=null;
            </body>
```

Output:

```
Elements
                                                      ■ 1 🕸 🚼 🗙
                  Console
                          Sources
                                  Network >>
Default levels ▼ 1 Issue: ■ 1 🐔
  undefined
                                                  Untitled-1.html:14
  1
                                                  Untitled-1.html:15
  time
                                                  Untitled-1.html:16
  true
                                                  Untitled-1.html:17
  ▼ Object 🗓
                                                  Untitled-1.html:18
     name: "rishaali"
    ▶ [[Prototype]]: Object
  undefined
                                                  Untitled-1.html:19
```

Task 22:

```
<script>
    var a;
    var b=1;
    var c="time";
    var d=true;
    var obj={
        name:"rishaali"
    };
    console.log( typeof a);
    console.log(typeof b);
    console.log(typeof c);
    console.log(typeof d);
    console.log(typeof obj);
    console.log(typeof e);
    var e=null;
    </script>
    </body>
```

```
<u>K</u> Lo
         Elements
                   Console
                            Sources
                                     Network >>
                                                               (€) : ×
Default levels ▼ 1 Issue: ■ 1
  undefined
                                                      Untitled-1.html:14
  number
                                                      Untitled-1.html:15
  string
                                                      Untitled-1.html:16
  boolean
                                                      Untitled-1.html:17
  object
                                                      Untitled-1.html:18
  undefined
                                                      Untitled-1.html:19
```

Task 23:

```
Elements Console Sources Network >> ■1 ② : X

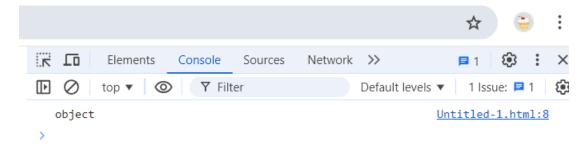
Default levels ▼ 1 Issue: ■1 ②

symbol

Untitled-1.html:8
```

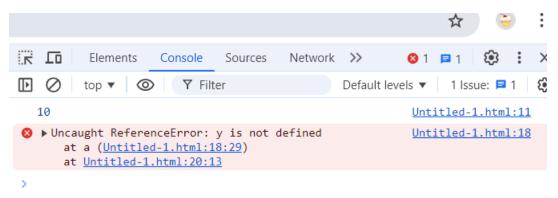
Task 24:

Output:



Task 25:

```
function e(){
    if(true){
       var x=10;
    }
    console.log(x);
}
e();
function a(){
    if(true){
       let y=10;
    }
    console.log(y);
}
a();
</script>
</body>
</html>
```



Task 26:

```
<html>
    <head>
        <title>tasks</title>
    </head>
    <body>
        <script>
            var s="10";
            console.log(s);
            var num= s*2;
            console.log(num);
            var res=parseInt(s,10);
            console.log(res);
            </script>
            </body>
            </html>
```


Task 27:

```
<html>
    <head>
        <title>tasks</title>
    </head>
    <body>
        <script>
           var s="10";
           console.log(s);
           var res=Boolean(s,10);
           console.log(res);
           var b=true;
           console.log(b);
           var r=b.toString();
           console.log(r);
           console.log(typeof r);
            </script>
            </body>
            </html>
```

Output:

```
Elements Console Sources Network >> □ 1 ⑤ : ×

□ O top ▼ O ▼ Filter Default levels ▼ 1 Issue: □ 1 ○

true

true

true

true

true

Untitled-1.html:12

true

String

Untitled-1.html:14

String
```

Task 28:

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

```
K [0
                                                          □1 🕸 🗄 🗙
                                     Network >>
         Elements
                   Console
                            Sources
top ▼ 💿 🍸 Filter
                                            Default levels ▼ 1 Issue: ■ 1 🛞
   22
                                                       Untitled-1.html:9
  18
                                                      Untitled-1.html:10
  40
                                                      Untitled-1.html:11
  10
                                                      Untitled-1.html:13
                                                      Untitled-1.html:15
>
```

Task 29:

Task 30:

Output:

```
Elements Console Sources Network >> □ 1 ② : X

□ O top ▼ O ▼ Filter Default levels ▼ 1 Issue: □ 1 ②

false

Untitled-1.html:8
```

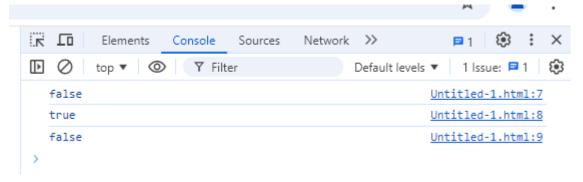
Task 31:

```
console.log(a<=b);</pre>
            </script>
            </body>
Output:

⊕ : ×

  K [0
          Elements
                     Console
                              Sources
                                      Network >>
  Default levels ▼ 1 Issue: ■ 1 🛞
     true
                                                       Untitled-1.html:9
     false
                                                       Untitled-1.html:10
     true
                                                       Untitled-1.html:13
                                                       Untitled-1.html:14
     true
   > |
Task32:
<html>
    <head>
        <title>tasks</title>
    </head>
    <body>
        <script>
        let a=11;
        let b="11";
        console.log(a==b);
        console.log(a===b);
            </body>
Output:
  K [0
                              Sources
                                                          □1 🕸 🗄 ×
         Elements
                     Console
                                      Network >>
                                             Default levels ▼ 1 Issue: ■ 1 🛞
  top ▼ 🔘
                     ▼ Filter
                                                       Untitled-1.html:9
     true
                                                      Untitled-1.html:10
     false
```

Task 33:



Task 34:

Output:

```
Elements Console Sources Network >> □ 1 ② : ×

□ O top ▼ ○ ▼ Filter Default levels ▼ 1 Issue: □ 1 ②

false Untitled-1.html:7
Untitled-1.html:8
```

Task35:

```
<html>
```

```
Elements Console Sources Network >> □ 1 ② : X

□ O top ▼ ○ ▼ Filter Default levels ▼ 1 Issue: □ 1 ②

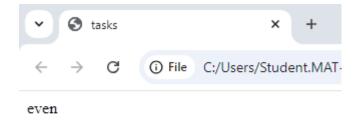
true

false

Untitled-1.html:9

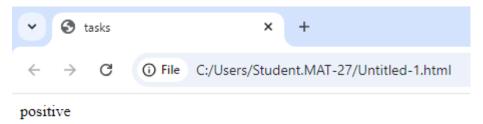
Untitled-1.html:10
```

Task 36:

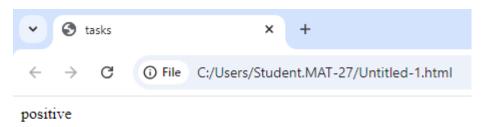


Task 37:

Output:

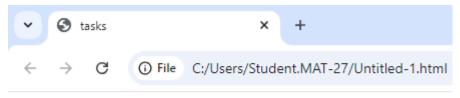


Task 38:



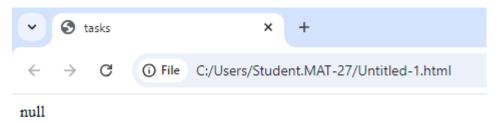
Task 39:

Output:



it is null or undefined

Task 40:



Task 41:

```
Elements Console Sources Network >> □ 1 ② : X

□ ○ top ▼ ○ ▼ Filter Default levels ▼ 1 Issue: □ 1 ②

4 Untitled-1.html:9

3 Juntitled-1.html:10

false Untitled-1.html:11
```

Task 42:

```
<html>
        <title>tasks</title>
   </head>
   <body>
       <script>
        var a=3;
        var b=4;
        var c=5;
        if(a>b && a<c){
         console.log("within range");
        else
         console.log("outside range");
        if(a>b || a<c){
        console.log("outside range");}
        else
        console.log("inside range");
        if(a>=b && a<=c){
            console.log("strictly within range");
       else
        console.log("outside range");
            </script>
            </body>
            </html>
```

```
Elements Console Sources Network >> ■1 ② : ×

Default levels ▼ 1 Issue: ■1 ②

Outside range
```

Task 43:

Output:

```
Elements Console Sources Network >> □ 1 ② : X

□ O top ▼ ○ ▼ Filter Default levels ▼ 1 Issue: □ 1 ②

false

> Untitled-1.html:8
```

Task 44:

```
Elements Console Sources Network >> □ 1 ② : X

□ O top ▼ ○ ▼ Filter Default levels ▼ 1 Issue: □ 1 ○

Untitled-1.html:9

Untitled-1.html:10

false

Untitled-1.html:11
```

Task 45:

```
Elements Console Sources Network >> ■1 ② : ×

□ ○ top ▼ ○ ▼ Filter Default levels ▼ 1 Issue: ■1 ②

□ Untitled-1.html:7

world
false

Untitled-1.html:9
```

```
task 46:
<html>
<head>
    <title>tasks</title>
</head>
<body>
    <script>
      function sum(a,b){
              return a+b;
         }
         let res=sum(5,5);
         document.writeln(res);
    </script>
</body>
</html>
output:
        🕙 tasks
                                             +
                    i File C:/Users/Administrator/Untitled-1.html
 10
task 47:
<html>
<head>
    <title>tasks</title>
```

```
</head>
<body>
    <script>
     function area(I,b){
              return I*b;
         }
         let res=area(5,5);
         document.writeIn(res);
    </script>
</body>
</html>
output:
        🕙 tasks
                                             +
                    i File C:/Users/Administrator/Untitled-1.html
             G
 25
```

```
return I*b;
         }
         let res=area(5,5);
         document.writeln(res);
    </script>
</body>
</html>
output:
  K [0
                         Console
                                              Network >>
              Elements
                                   Sources
                         ▼ Filter
                                                      Default levels ▼ 1 Issue: ■ 1
   Uncaught ReferenceError: 1 is not defined
                                                                  Untitled-1.html:8
          at area (Untitled-1.html:8:13)
          at Untitled-1.html:10:17
   >
task 49:
<html>
<head>
    <title>tasks</title>
</head>
<body>
    <script>
      function area(I,b){
              return;
         }
         let res=area(5,5);
         document.writeln(res);
    </script>
```

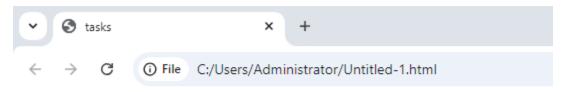
```
task 50:
<html>
<head>
     <title>tasks</title>
</head>
<body>
     <script>
      function area(I=2,b=4){
               return I*b;
         }
         let ans1 = area();
          document.writeln(ans1);
         let res=area(5,5);
         document.writeln(res);
         let ans = area(7);
          document.writeln(ans);
     </script>
</body>
```

```
</html>
```

</html>

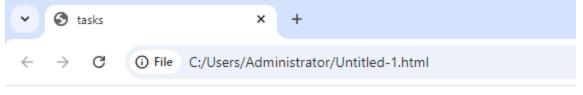
```
output:
        tasks
                     (i) File C:/Users/Administrator/Untitled-1.html
 8 25 28
task 51:
<html>
<head>
    <title>tasks</title>
</head>
<body>
     <script>
      let greet= (name)=>{
          return "Hello,"+ name;
      }
      document.writeIn(greet("shivgar"));
      let res=greet("shivgar");
      document.writeIn(res);
      let ans= greet;
      let a=ans("shivgar");
      document.writeln(a);
     </script>
</body>
```

output:



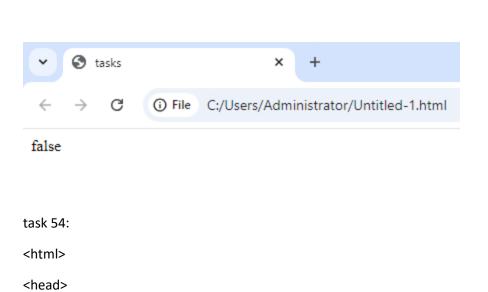
Hello,shivgar Hello,shivgar Hello,shivgar

```
task 52:
<html>
<head>
    <title>tasks</title>
</head>
<body>
    <script>
      let add= (a,b)=>{
         return a+b;
      }
      document.writeln(add(1,1));
      document.writeln(add(1));
      document.writeln(add(1,6,4));
    </script>
</body>
</html>
output:
```



2 NaN 7

```
task 53:
<html>
<head>
    <title>tasks</title>
</head>
<body>
     <script>
      let isEven= (num)=>{
         if(num%2==0){
         return true;
      }
      else
      return false;}
      document.writeIn(isEven(1));
    </script>
</body>
</html>
output:
```



<title>tasks</title>

let maxValue= (a,b)=>{

document.writeln(maxValue(66,99));

if(a>b){

return a;

</head>

<body>

<script>

}

else

return b;}

</script>

</body>

</html>

output:

```
tasks
                    i File C:/Users/Administrator/Untitled-1.html
 99
task 55:
<html>
<head>
    <title>tasks</title>
</head>
<body>
    <script>
    const myObject={
         property:10,
         multiplyTraditional:function(){
            return this.property*this.read();
         },
multiplyArrow:()=>{
    return myObject.property*myObject.read();
},
read:function(){
    this.num= +prompt("enter no.");
    return this.num;
}
    };
```

30 30