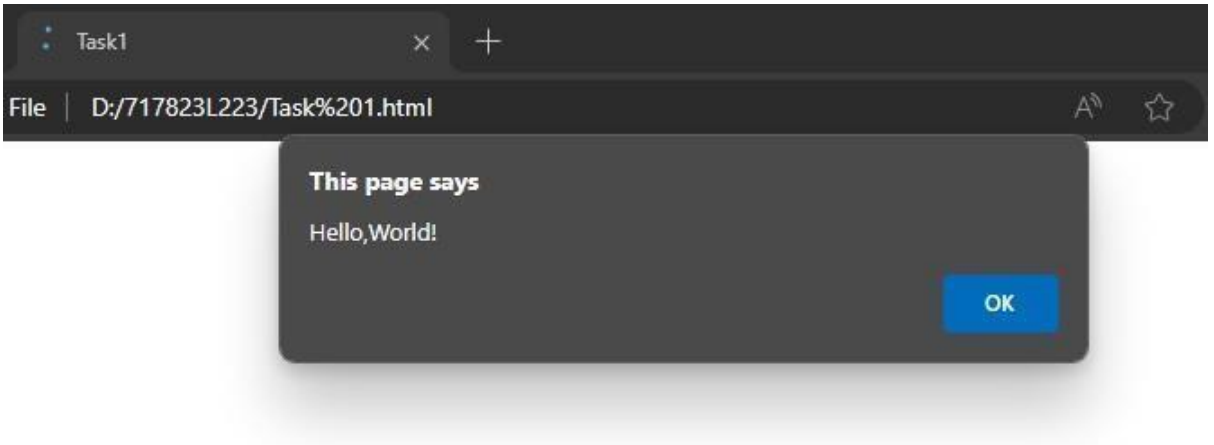
TASK 1

```
<!Doctype html>
<head>
    <title>Task1</title>
</head>
<body>
    <script>
        alert("Hello,World!");
    </script>
</body>
</html>
```

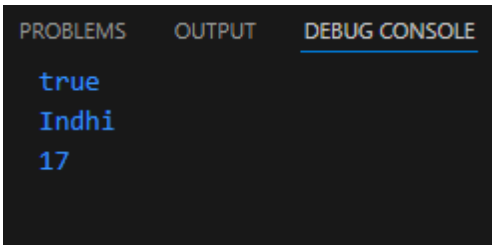
Output



TASK 2

```
<!Doctype html>
<head>
    <title>Task 2</title>
</head>
<body>
    <script>
        let value=true;
        let  a="Indhi";
        let b=17;
        console.log(value);
        console.log(a);
        console.log(b);
    </script>
</body>
</html>
```

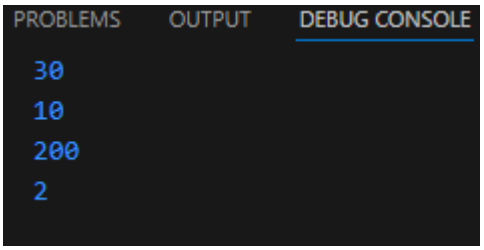
OUTPUT



TASK 3

```
<!Doctype html>
<head>
    <title>Task 3</title>
</head>
<body>
    <script>
        let x=20;
        let y=10;
        console.log(x+y);
        console.log(x-y);
        console.log(x*y);
        console.log(x/y);
    </script>
</body>
</html>
```

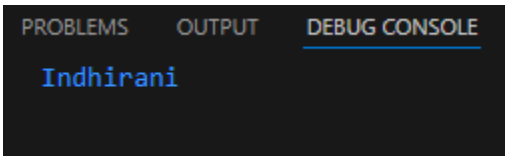
OUTPUT



TASK 4

```
<!Doctype html>
<head>
    <title>Task 4</title>
</head>
<body>
    <script>
         let a="Indhi";
         let b="rani";
         console.log(a+b);
    </script>
</body>
</html>
```

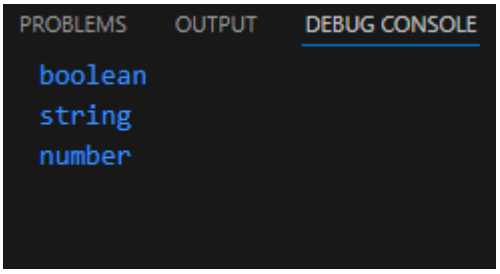
OUTPUT



TASK 5

```
<!Doctype html>
<head>
    <title>Task 2</title>
</head>
<body>
    <script>
        let value=true;
        let  a="Indhi";
        let b=17;
        console.log(typeof value);
        console.log(typeof a);
        console.log(typeof b);
    </script>
</body>
</html>
```

OUTPUT



TASK 6

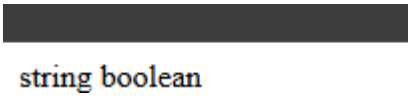
```
<!Doctype html>
<head>
    <title>Task 6</title>
</head>
<body>
    <script>
        //It is a single line comment
        /*It is a multiline comment.It contains more than one line.*/
    </script>
</body>
</html>
```

TASK 7

```
<!Doctype html>
<head>
    <title>Task1</title>
```

```
</head>
<body>
    <script>
        document.writeln(typeof "INDHI");
        document.writeln(typeof true)
        </script>
</body>
</html>
```

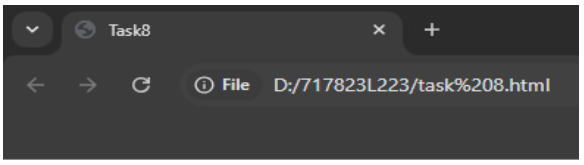
OUTPUT



TASK 8

```
<!Doctype html>
<head>
    <title>Task8</title>
</head>
<body>
    <script>
        let i,j,sum=0;
        for(i=0;i<5;i++)
    {
        for(j=0;j<5;j++)
    {
        sum+=j;
    }
    }
    document.writeln(sum);
    </script>
</body>
</html>
```

OUTPUT

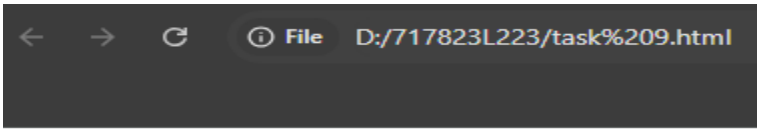


50

TASK 9

```
<!Doctype html>
<head>
    <title>Task9</title>
</head>
<body>
    <script>
        let a=10,b=20,c;
        document.writeln(a+"<br>");
        document.writeln(b+"<br>");
        c=a+b;
        document.writeln(c);
        </script>
</body>
</html>
```

OUTPUT



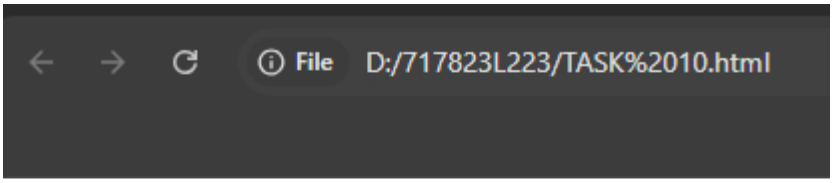
10
20
30

TASK 10

```
<!Doctype html>
<head>
    <title>Task10</title>
    <script>
        let D=50,E=2,F;
        document.writeln(D+"<br>");
        document.writeln(E+"<br>");
        F=D/E;
        document.writeln(F+"<br>");
        </script>
</head>
<body>
    <script>
        let a=10,b=20,c;
        document.writeln(a+"<br>");
        document.writeln(b+"<br>");
        c=a+b;
        document.writeln(c);
        </script>
```

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

OUTPUT

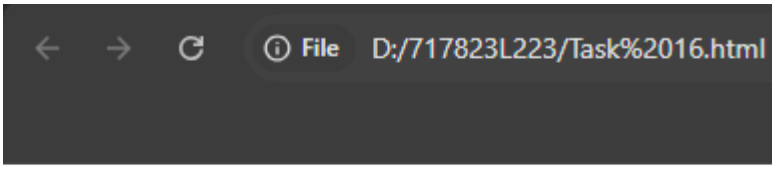


50
2
25
10
20
30

TASK 16

```
<!DOCTYPE html>
<head>
    <title>Task 16</title>
</head>
<body>
    <script>
        let a=10;
        document.writeln(a+"<br>");
        var b="Indhi";
        document.writeln(b+"<br>");
        const pi=3.14;
        document.writeln(pi+"<br>");
    </script>
</body>
</html>
```

Output



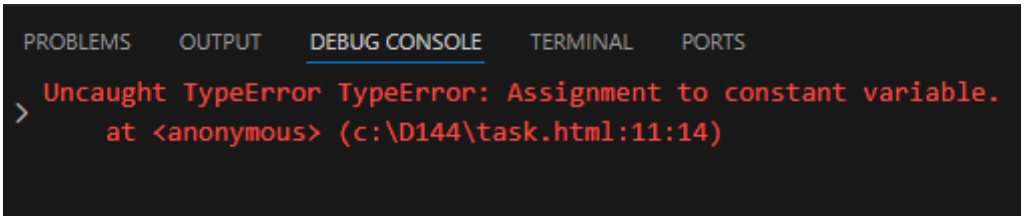
10
Indhi
3.14

TASK 17

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset = "UTF-8">
        <meta name = "viewport" content = "width=device-width">
```

```
        <title>Task 17</title>
    </head>
    <body>
        <script>
            const a=20;
            a=30;
            document.writeln(a);
        </script>
    </body>
</html>
```

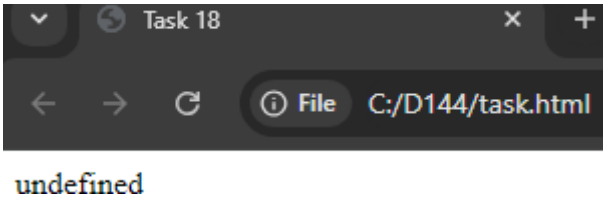
OUTPUT



TASK 18

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset = "UTF-8">
        <meta name = "viewport" content = "width=device-width">
        <title>Task 18</title>
    </head>
    <body>
        <script>
            let a;
            document.writeln(a);
        </script>
    </body>
</html>
```

OUTPUT

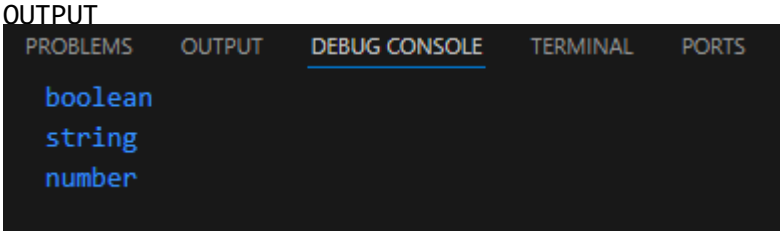


TASK 19

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset = "UTF-8">
        <meta name = "viewport" content = "width=device-width">
        <title>Task 19</title>
    </head>
    <body>
        <script>
            let value=true;
```

```
            let a="Indhi";
            let b=17;
            console.log(typeof value);
            console.log(typeof a);
            console.log(typeof b);
        </script>
    </body>
</html>
```

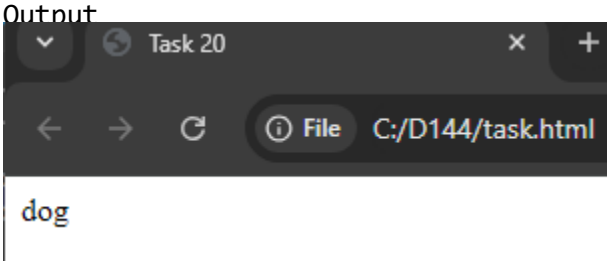
OUTPUT



TASK 20

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset = "UTF-8">
        <meta name = "viewport" content = "width=device-width">
        <title>Task 20</title>
    </head>
    <body>
        <script>
            const animal={
                pet:"dog"
            };
            const{pet:name}=animal;
            document.writeln(name);
        </script>
    </body>
</html>
```

Output

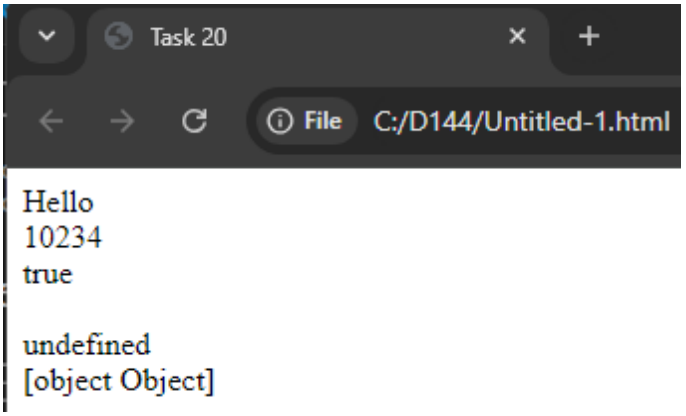


TASK 21

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset = "UTF-8">
        <meta name = "viewport" content = "width=device-width">
        <title>Task 21</title>
    </head>
    <body>
        <script>
            let a="Hello";
            let b=10234;
            let c=true;
```

```
            let d=null;
            let e;
            let student={
                name:"indhi",dept:"ECE"
            };
            document.writeln(a+"<br>");
            document.writeln(b+"<br>");
            document.writeln(c+"<br>");
            document.writeln(d+"<br>");
            document.writeln(e+"<br>");
            document.writeln(student+"<br>");
        </script>
    </body>
</html>
```

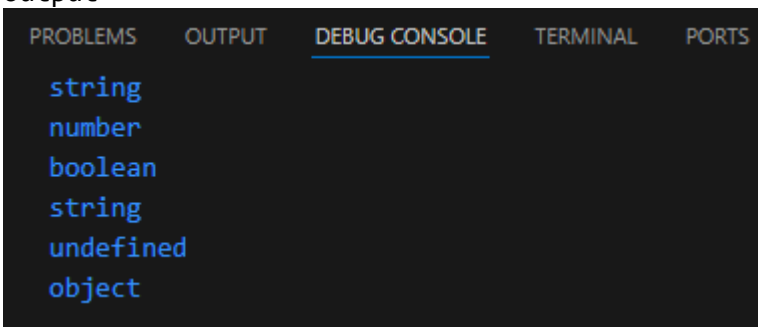
OUTPUT



TASK 22

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset = "UTF-8">
        <meta name = "viewport" content = "width=device-width">
        <title>Task 22</title>
    </head>
    <body>
        <script>
            let a="Hello";
            let b=10234;
            let c=true;
            let d="";
            let e;
            let student={
                name:"indhi",dept:"ECE"
            };
            console.log(typeof a);
            console.log(typeof b);
            console.log(typeof c);
            console.log(typeof d);
            console.log(typeof e);
            console.log(typeof student);
        </script>
    </body>
</html>
```

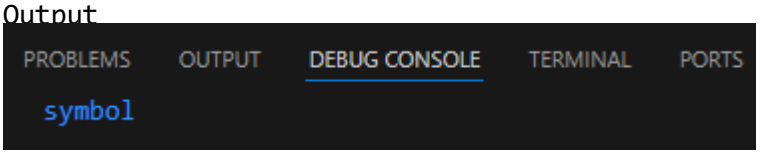
Output



TASK 23

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset = "UTF-8">
        <meta name = "viewport" content = "width=device-width">
        <title>Task 20</title>
    </head>
    <body>
        <script>
            const a=Symbol("?");
            console.log(typeof a);
        </script>
    </body>
</html>
```

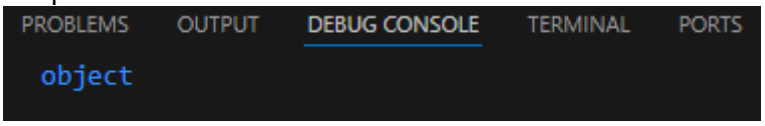
Output



TASK 24

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset = "UTF-8">
        <meta name = "viewport" content = "width=device-width">
        <title>Task 24</title>
    </head>
    <body>
        <script>
            let a=null;
            console.log(typeof a);
        </script>
    </body>
</html>
```

Output



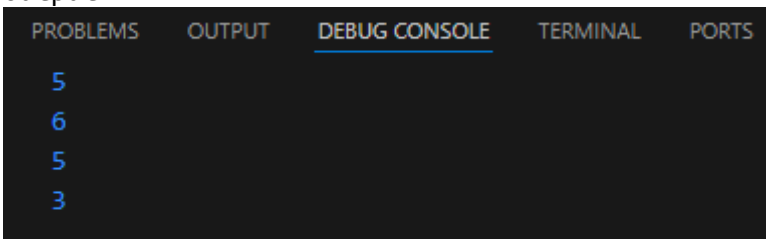
TASK 25

```
<!DOCTYPE html>
<html>
    <head>
```

```
        <meta charset = "UTF-8">
        <meta name = "viewport" content = "width=device-width">
        <title>Task 25</title>
    </head>
    <body>
        <script>
           function varandletscope()
           {
                var  x=2;
                let y=3;
                if (true)
                {
                    var x=5;
                    let y=6;
                    console.log(x);
                    console.log(y);
                }
                console.log(x);
                console.log(y);
            }
            varandletscope();

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

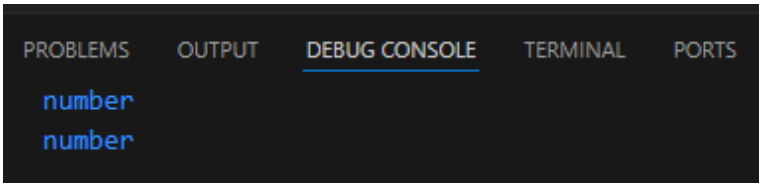
Output



TASK 26

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset = "UTF-8">
        <meta name = "viewport" content = "width=device-width">
        <title>Task 26</title>
    </head>
    <body>
        <script>
           let value="HELLO";
           let result=Number("15");
           console.log(typeof result);
           value=Number(value);
           console.log(typeof value);
        </script>
    </body>
</html>
```

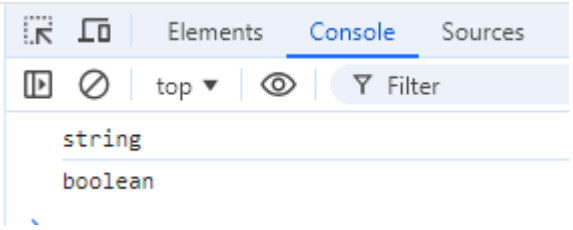
Output



TASK 27

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let value=true;
        value=String(value);
        console.log(typeof value);
        let res="Hello";
        res=Boolean(res);
        console.log(typeof res);
    </script>
</body>
</html>
```

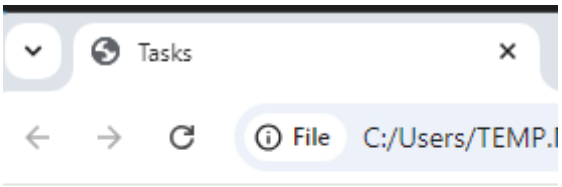
OUTPUT



TASK 28

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a=prompt('a?',0);
        let b=prompt('b?',0);
        document.writeln(a+b +"<br>");
        document.writeln(a-b +"<br>");
        document.writeln(a*b +"<br>");
        document.writeln(a/b +"<br>");
        document.writeln(a%b +"<br>");
    </script>
</body>
</html>
```

OUTPUT

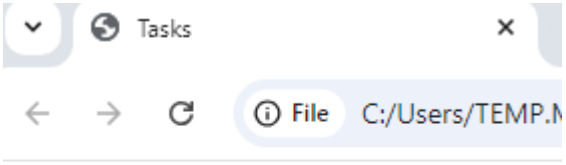


302
28
60
15
0

TASK 29

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a=prompt('a?',0);
        let b=prompt('b?',0);
        document.writeln(a++ +"<br>");
        document.writeln(--b +"<br>");
        document.writeln(++b +"<br>");
        document.writeln(a-- +"<br>");
    </script>
</body>
</html>
```

OUTPUT

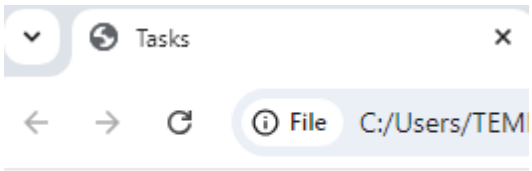


4
4
5
5

TASK 30

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        document.writeln((5+6*2/5));
    </script>
</body>
</html>
```

OUTPUT

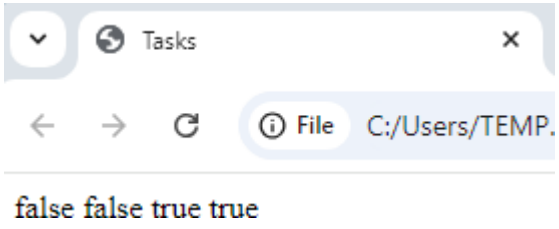


7.4

TASK 31

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a=prompt('a?',0);
        let b=prompt('b?',0);
        document.writeln(a<b);
        document.writeln(a<=b)
        document.writeln(a>b);
        document.writeln(a>=b);
    </script>
</body>
</html>
```

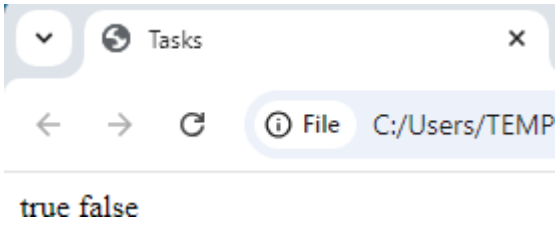
OUTPUT



TASK 32

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a=10,b="10";
        document.writeln(a==b);
        document.writeln(a===b)
    </script>
</body>
</html>
```

OUTPUT

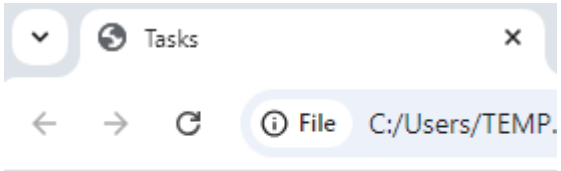


TASK 33

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a="Hello",b="Hello";
        let res=a.localeCompare(b);
        document.writeln(res+"<br>");
        b="hello";
        res=a.localeCompare(b);
        document.writeln(res+"<br>");
        b="world";
        res=a.localeCompare(b);
        document.writeln(res+"<br>");

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

OUTPUT

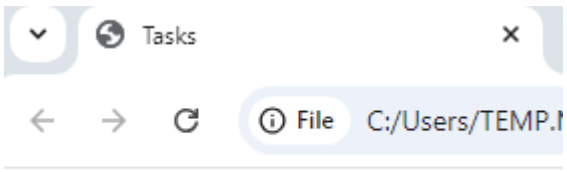


0
1
-1

TASK 34

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a=10,b="10";
        document.writeln(a!=b);
        document.writeln(a!==b);
    </script>
</body>
</html>
```

OUTPUT



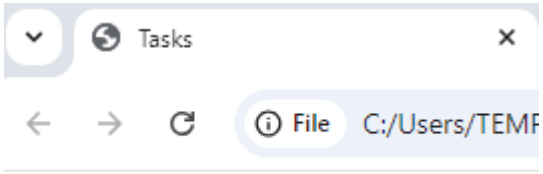
false true

TASK 35

```
<!Doctype html>
```

```
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a,b="";
        document.writeln(a==b);
        document.writeln(a===b);
    </script>
</body>
</html>
```

OUTPUT

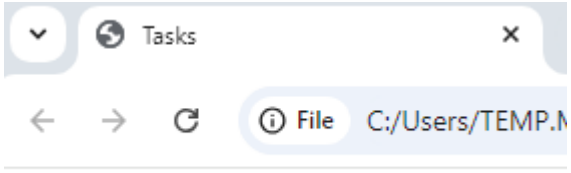


false false

TASK 36

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a=prompt('a?',0);
        if(a%2==0)
    {
        document.writeln(a +"is even number");
    }
    else{
        document.writeln(a +"is odd number");
    }
    </script>
</body>
</html>
```

OUTPUT



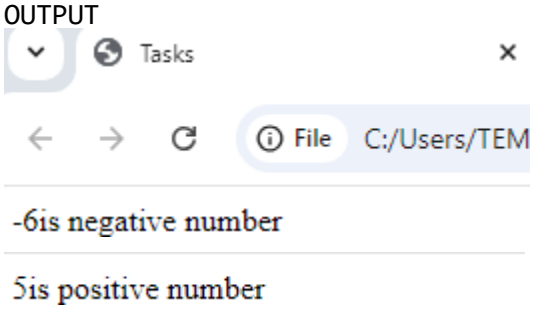
25is odd number

TASK 37

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
```

```
        let a=prompt('a?',0);
        if(a==0)
    {
        document.writeln(a +"is Zero");
    }
    if(a>0){
        document.writeln(a +"is positive  number");
    }
    if(a<0){
        document.writeln(a +"is negative  number");
    }
    </script>
</body>
</html>
```

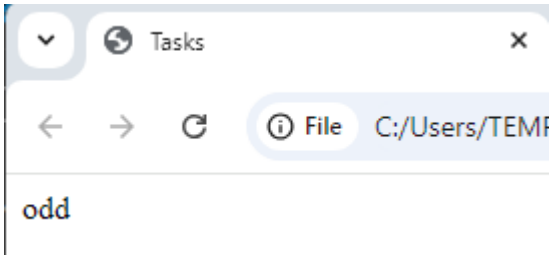
OUTPUT



TASK 38

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a=prompt('a?',0);
        let ans=(a%2==0)?"even":"odd";
        document.writeln(ans);
    </script>
</body>
</html>
```

OUTPUT



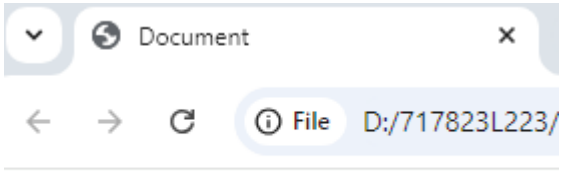
TASK 39

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

```
        let emp={
            name:"Indhi",
            age:18
        };
        document.writeln(emp.write?.empId);
    </script>

</body>
</html>
```

OUTPUT

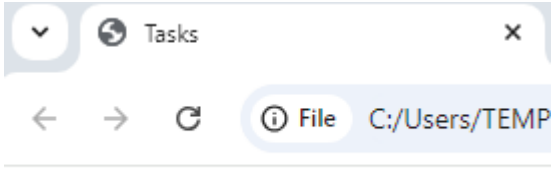


undefined

TASK 40

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let age=prompt('a?',18);
        let ans=(age>=18)?"eligible to vote":"not eligible to vote";
        document.writeln(ans);
    </script>
</body>
</html>
```

OUTPUT

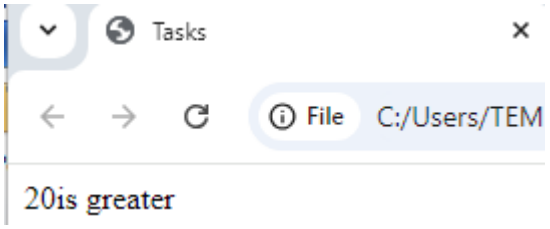


eligible to vote

TASK 41

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a=20;
        let b=10;
        let c=5;
        if((a>b)&&(a>c)){
            document.writeln(a+"is greater");
        }
        if((a<b)||(a<c))
        {
            document.writeln(a+"is lesser");
        }
        if(!a)
        {
            document.writeln("true");
        }
    </script>
</body>
</html>
```

OUTPUT

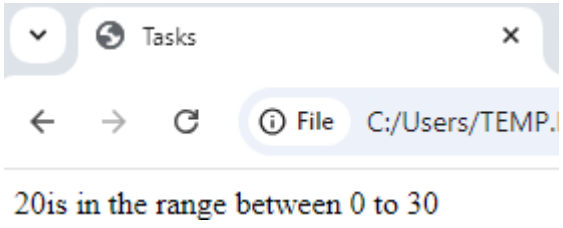


TASK 42

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a=20;
```

```
        if((a>0)&&(a<30)){
            document.writeln(a+"is in the range between 0 to 30");
        }
        else{
            document.writeln(a+"is not in the range");
        }
    </script>
</body>
</html>
```

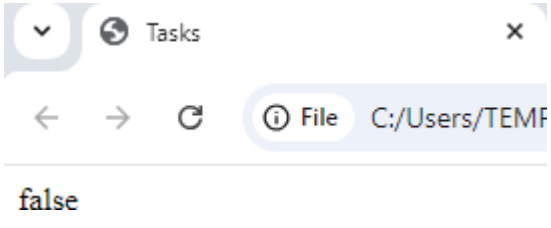
OUTPUT



TASK 43

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a=true;
        document.writeln(!a);
    </script>
</body>
</html>
```

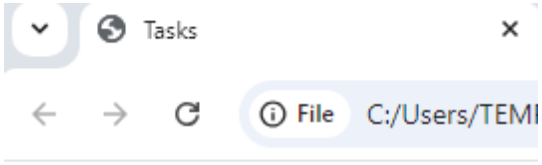
OUTPUT



TASK 44

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a=true||console.log("true");
        document.writeln(a+"<br>");
        let b=false&&console.log("false");
        document.writeln(b+"<br>");
    </script>
</body>
</html>
```

OUTPUT

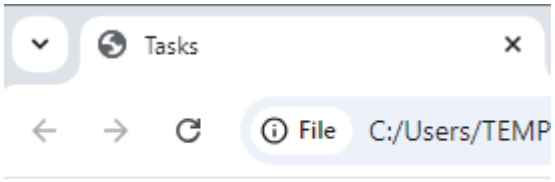


true
false

TASK 45

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        let a="hello";
        let b=0;
        let res=document.writeln(a&&b);
        res=document.writeln(a||b);
        res=document.writeln(!a);
    </script>
</body>
</html>
```

OUTPUT

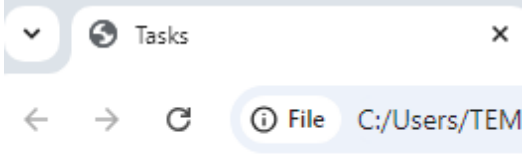


0 hello false

TASK 46

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
       function add(num1,num2){
        return num1+num2;
       }
       let sum=add(5,4);
       document.writeln(sum);
    </script>
</body>
</html>
```

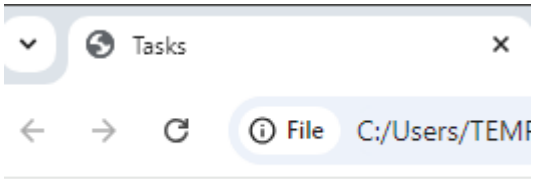
OUTPUT



TASK 47

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
       function area(len,wid){
        return len*wid;
       }
       let res=area(8,4);
       document.writeln(res);
    </script>
</body>
</html>
```

OUTPUT

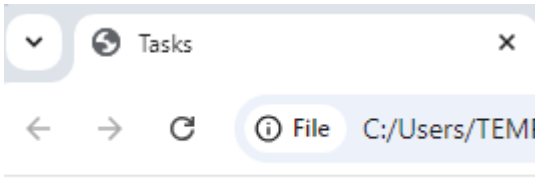


32

TASK 48

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
       function area(){
       }
       let res=area();
       document.writeln(res);
    </script>
</body>
</html>
```

OUTPUT



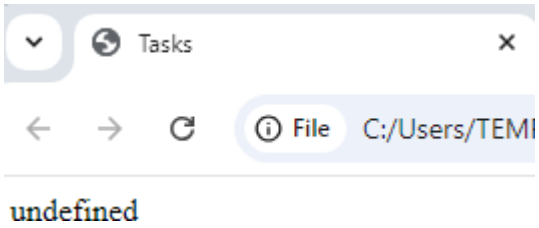
undefined

TASK 49

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
       function area(a,b){
```

```
        }
        let res=area(2,3);
        document.writeln(res);
    </script>
</body>
</html>
```

OUTPUT



undefined

TASK 50

```
<!Doctype html>
<head>
    <title>Tasks</title>
</head>
<body>
    <script>
        function add(a,b){
            return a+b;
        }
        let res=add(2,3);
        document.writeln(res+"<br>");
        let res1=add(10,20);
        document.writeln(res1+"<br>");
        let res2=add(130,520);
        document.writeln(res2+"<br>");
    </script>
</body>
</html>
```

OUTPUT

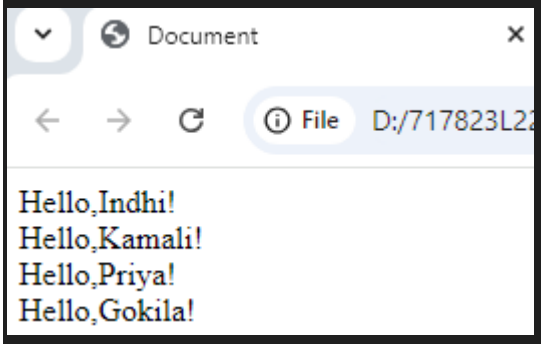
5
30
650

TASK 51

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
        let greet=(name)=>{
            return `Hello,${name}!`;
        }
        document.writeln(greet("Indhi")+"<br>");
        document.writeln(greet("Kamali")+"<br>");
```

```
        document.writeln(greet("Priya")+"<br>");
        document.writeln(greet("Gokila")+"<br>");
    </script>
</body>
</html>
```

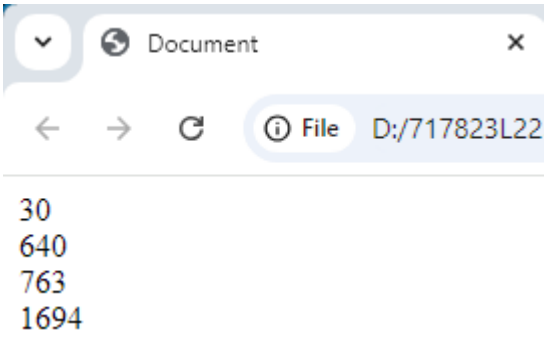
OUTPUT



TASK 52

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
        let add=(num1,num2)=>{
            return num1+num2;
        }
        document.writeln(add(10,20)+"<br>");
        document.writeln(add(100,540)+"<br>");
        document.writeln(add(673,90)+"<br>");
        document.writeln(add(720,974)+"<br>");
    </script>
</body>
</html>
```

OUTPUT

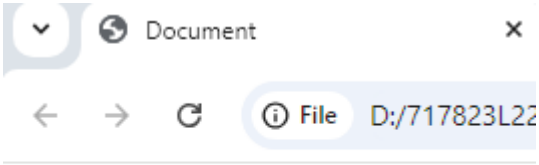


TASK 53

```
<!DOCTYPE html>
<html lang="en">
<head>
```

```
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
        let isEven=(num)=>{
            if(num%2==0)
            {
                return true;
            }else{
                return false;
            }
        }
        document.writeln(isEven(105)+"<br>");
        document.writeln(isEven(100)+"<br>");
    </script>
</body>
</html>
```

OUTPUT

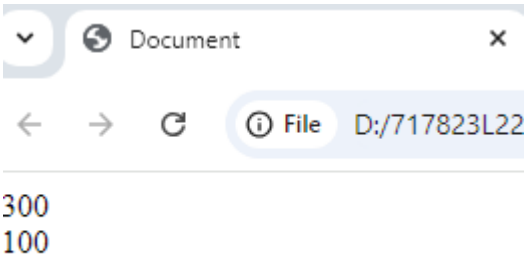


false
true

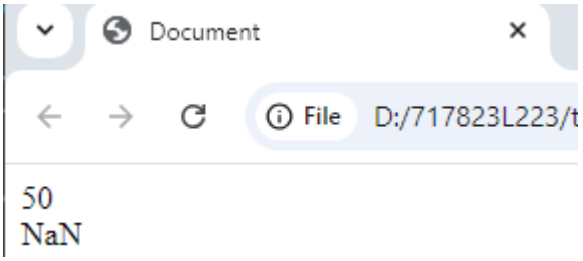
TASK 54

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
        let maxValue=(num1,num2)=>{
            if(num1<num2)
            {
                return num2;
            }else{
                return num1;
            }
        }
        document.writeln(maxValue(105,300)+"<br>");
        document.writeln(maxValue(100,5)+"<br>");
    </script>
</body>
</html>
```

OUTPUT



TASK 55

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
        let myObject={
            value:10,
            multiplyTraditional:function(num){
                 return this.value*num;
        },
            multiplyArrow:(num)=>{
                return this.value*num;
        }
    };
        document.writeln(myObject.multiplyTraditional(5)+"<br>");
        document.writeln(myObject.multiplyArrow(5)+"<br>");
    </script>
</body>
</html>
```

OUTPUT