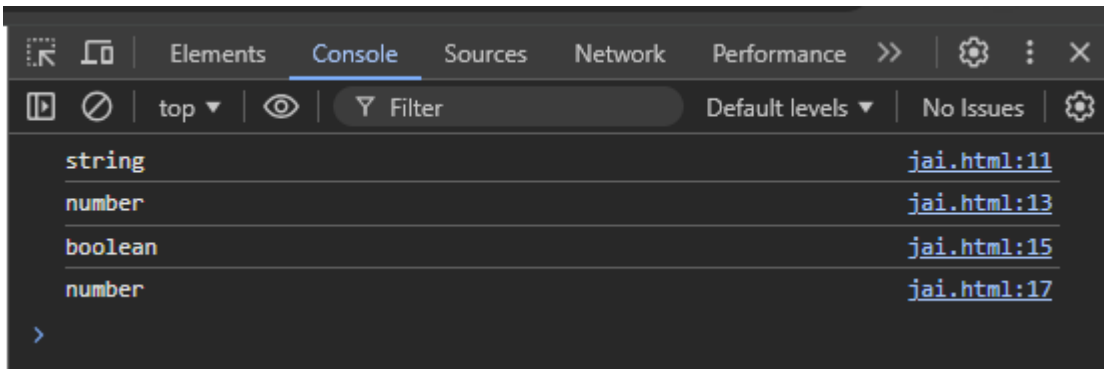


TASK 21

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Basic HTML Structure</title>
</head>
<body>
  <script>
    let string = "jai";
    var number = 10;
    let boolean = true;
    let name = null;
    let age;
    let student={
      str:"jaya prakas",
      a:20
    };
  </script>
</body>
</html>
```

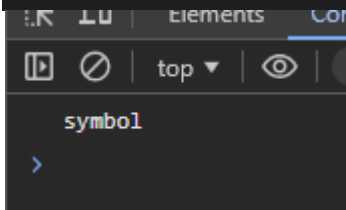
TASK 22

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Basic HTML Structure</title>
</head>
<body>
  <script>
    let name = "JAI";
    console.log(typeof name+'\n');
    var a=10;
    console.log(typeof a+'\n');
    let b = true;
    console.log(typeof b +'\n');
    var c=String(a);
    console.log(typeof a);
  </script>
</body>
</html>
```



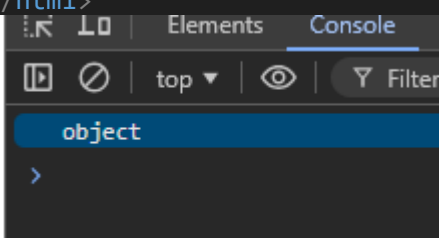
TASK 23

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Basic HTML Structure</title>
</head>
<body>
  <script>
    let a=Symbol("symboljai");
    console.log(typeof a);
  </script>
</body>
</html>
```



TASK 24

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



Task 25

VAR:

The scope is within the function block.

It can be redeclared to the same variable name.

If the var is declared as global it can be accessed anywhere in the program.

LET:

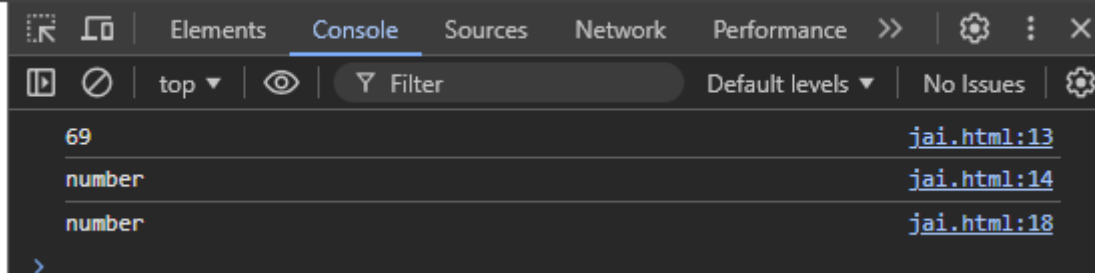
The scope is within the block and curly brackets.

It cannot be redeclared to the same variable name.

If the let is declared as global it can be accessed anywhere in the program.

TASK 26

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Basic HTML Structure</title>
</head>
<body>
  <script>
    //IMPLICIT TYPE CONVERSION
    let string = "23";
    let a=name*3;
    console.log(a+'\n');
    console.log(typeof a);
    // EXPLICIT TYPE CONVERSION
    let b="kaviya";
    let c=parseInt(b);
    console.log(typeof c );
  </script>
</body>
</html>
```



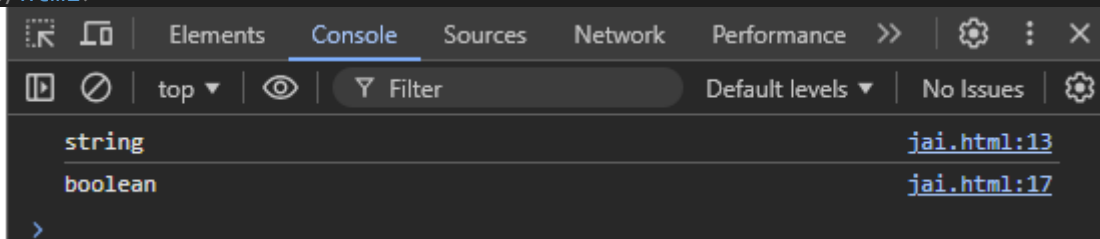
TASK 27

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

```

<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Basic HTML Structure</title>
</head>
<body>
  <script>
    //BOOLEAN TO STRING
    let boolean=true;
    let a=String(boolean);
    console.log(typeof a);
    //STRING TO BOOLEAN
    let c="jai";
    let d=Boolean(c);
    console.log(typeof d);
  </script>
</body>
</html>

```

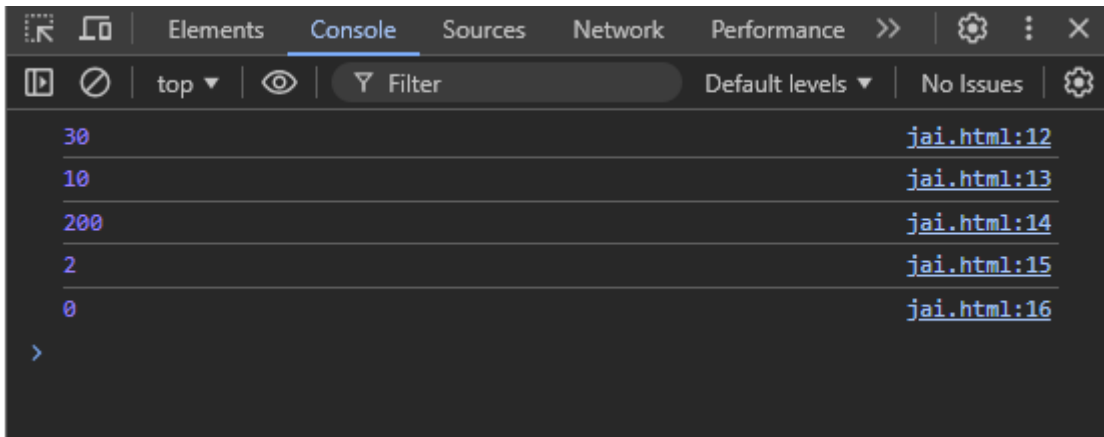


TASK 28

```

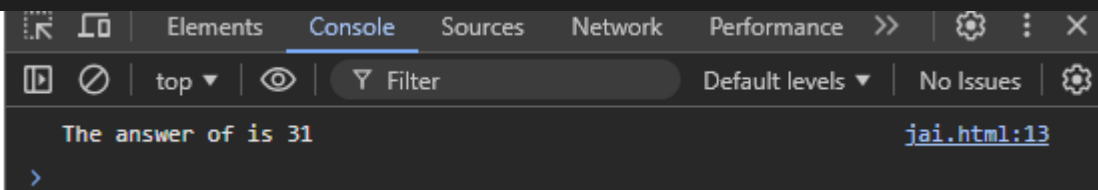
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Basic HTML Structure</title>
</head>
<body>
  <script>
    let a=20;
    let b=10;
    console.log(a+b);
    console.log(a-b);
    console.log(a*b);
    console.log(a/b);
    console.log(a%b);
  </script>
</body>
</html>

```



TASK 29

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Basic HTML Structure</title>
</head>
<body>
  <script>
    let a=20;
    let b=10;
    a+=a++ - --b;
    console.log("The answer of is "+a);
  </script>
</body>
</html>
```

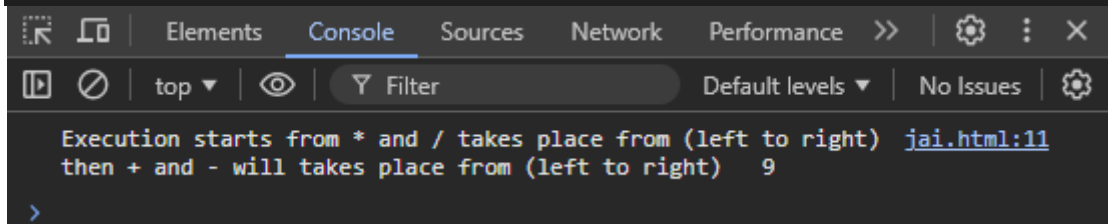


Task 30

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Basic HTML Structure</title>
</head>
<body>
  <script>
let result = 5 + 3 * 2 - 8 / 4;
console.log("Execution starts from * and / takes place from (left to right) then + and - will
takes place from (left to right)  "+result);

  </script>
</body>
```

```
</html>
```



TASK 31

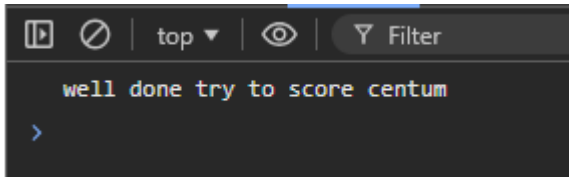
```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Basic HTML Structure</title>
</head>
<body>
  <script>
    let mark =prompt("enter the marks ");
    if(mark == 100)
    {
      console.log("Congrats for your hardwork keep it up !!!");
    }
    else if(mark>=80)
    {
      console.log("well done try to score centum");
    }
    else if(mark>=50 && mark<=80)
    {
      console.log("try to get more marks");
    }
    else {
      console.log("u r fail stupid !!! read more nonsense");
    }
  </script>
</body>
</html>
```

This page says

enter the marks

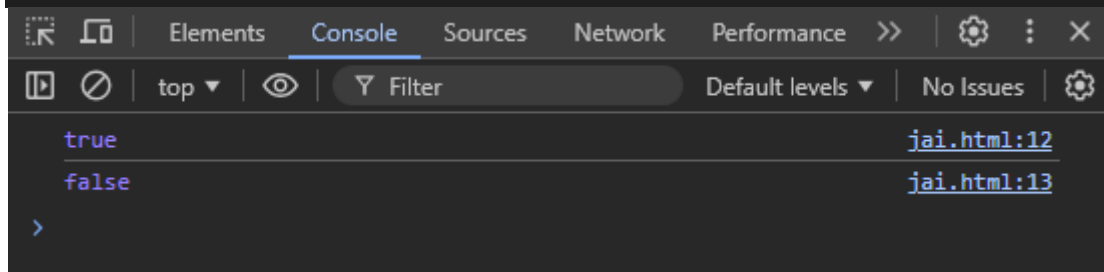
OK

Cancel



TASK 32

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Basic HTML Structure</title>
</head>
<body>
  <script>
    let a="675";
    let b=675;
    console.log(a==b); // true because checks only values
    console.log(a===b); // false beacuse it checks the data type
  </script>
</body>
</html>
```



Equality checks only the values .

==== checks the data types of the variable.

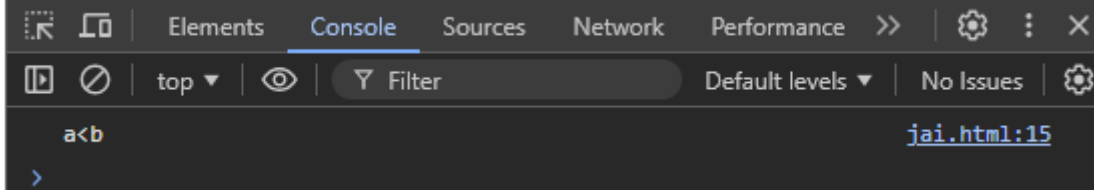
TASK 33

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Basic HTML Structure</title>
</head>
<body>
  <script>
    let a="bike";
    let b="taxi";
    // compares based unicode charcter by character
    if(a<b)
    {
      console.log("a<b");
    }
    else if(a>b)
    {
```

```

        console.log("a>b");
    }
    else
    {
        console.log("a===b");
    } </script>
</body>
</html>

```

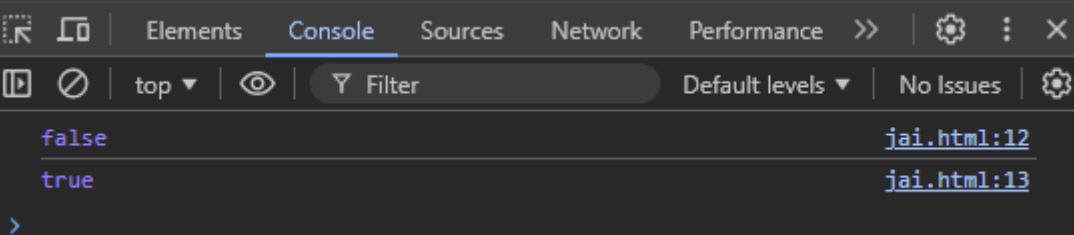


TASK 34

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Basic HTML Structure</title>
</head>
<body>
    <script>
        let a="7655";
        let b=7655;
        console.log(a!=b);
        console.log(a!==b);
    </script>
</body>
</html>

```



TASK 35

```

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

```



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

