

1.INTRODUCTION TO JAVASCRIPT

TASK-1

```
<!DOCTYPE html>
```

```
<html lang = "en">
```

```
<head>
```

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

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

```
<title>MERN PRATICE</title>
```

```
</head>
```

```
<body>
```

```
<script>
```

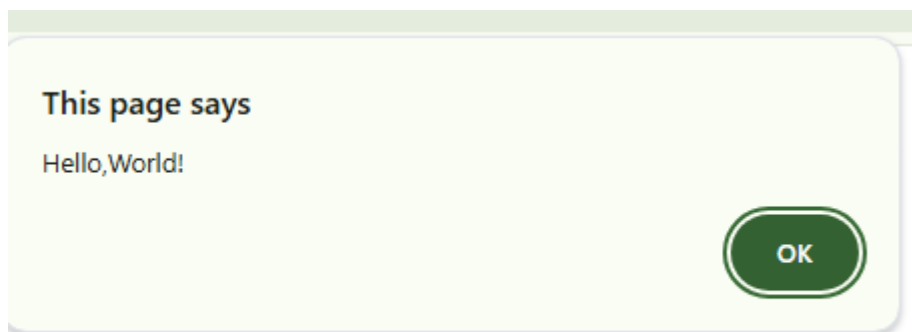
```
alert("Hello,World!");
```

```
</script>
```

```
</body>
```

```
</html>
```

OUTPUT:



TASK-2

```
T<!DOCTYPE html>
```

```
<html lang = "en">
```

```
<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>MERN PRATICE</title>

</head>

<body>

  <script>

    var name="john";

    const number = 56;

    let value=true;

    console.log(name);

    console.log(number);

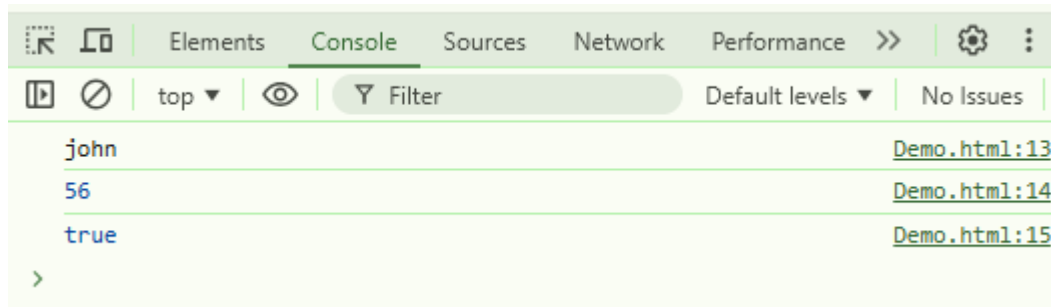
    console.log(value);

  </script>

</body>

</html>
```

OUTPUT:



TASK-3

```
<!DOCTYPE html>

<html lang = "en">

  <head>
```

```

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>MERN PRATICE</title>

</head>

<body>

  <script>

    var a=200;

    var b = 20;

    console.log(a+b);

    console.log(a-b);

    console.log(a*b);

    console.log(a/b);

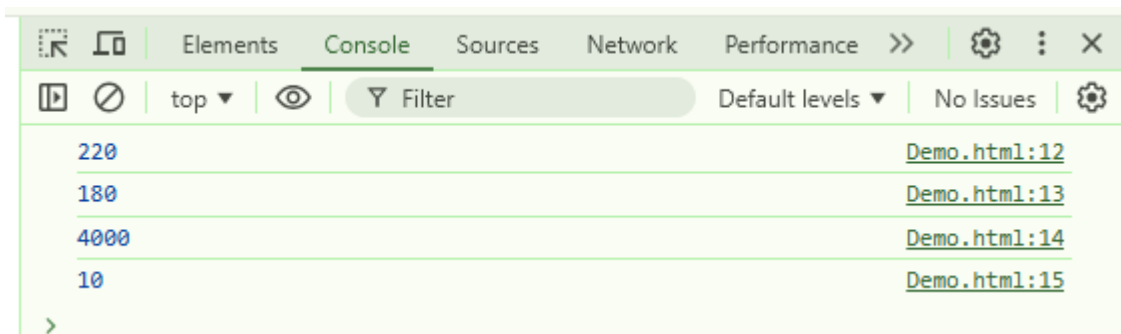
  </script>

</body>

</html>

```

OUTPUT:



TASK-4

```
<!DOCTYPE html>
```

```
<html lang = "en">
```

```
<head>
```

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

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

```
<title>MERN PRATICE</title>

</head>

<body>

  <script>

    var value1 = "Butterfly";

    var value2 = "Fly";

    document.write(value1+value2 + "<br>");

    var a = "Java";

    var b = "Script";


    document.write(a + b);

  </script>

</body>

</html>
```

OUTPUT:



ButterflyFly
JavaScript

TASK-5

```
<!DOCTYPE html>

<html lang = "en">

  <head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>MERN PRATICE</title>

  </head>
```

```
<body>

  <script>

    let value = true;

    document.write(typeof value + "<br>");

    document.write(typeof 55 + "<br>");

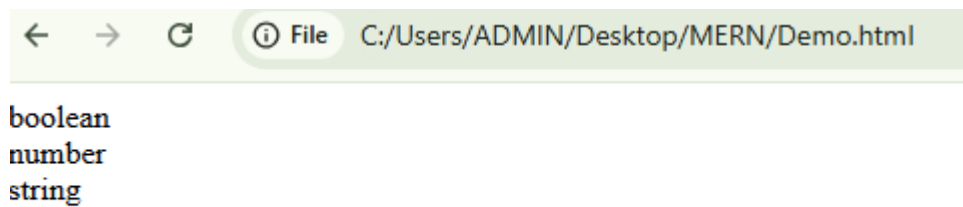
    document.write(typeof "Javascript");

  </script>

</body>

</html>
```

OUTPUT:



2.CODE STRUCTURE

TASK-6

// Single-line javascript comment

/*

Multi-line javascript comment

***/**

Single-line javascript comment used for short descriptions.

Multi-line javascript comment used for long descriptions.

TASK-7

<!DOCTYPE html>

<html lang = "en">

```
<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>MERN PRATICE</title>

</head>

<body>

  <script>

    let a = 6;

    let b = 9;

    console.log(a+b);

    var c = 5

    var d = 9

    console.log(c + d)

  </script>

</body>

</html>
```

DIFFERENCES

There is no differences in script with semicolon and without semicolon.

In some cases we can see the differences while using functions,,,,.

TASK-8

```
<!DOCTYPE html>

<html lang = "en">

  <head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>MERN PRATICE</title>
```

```
</head>

<body>

  <script>

    for(var i = 1;i <=3;i++)

      {

        console.log("First Iteration:" +i);

        for(let j = 1;j<=2;j++)

          {

            console.log("Second iteration:" +j);

            for(var k=1;k<=1;k++)

              {

                console.log("Third Iteraton:" +k);

              }

          }

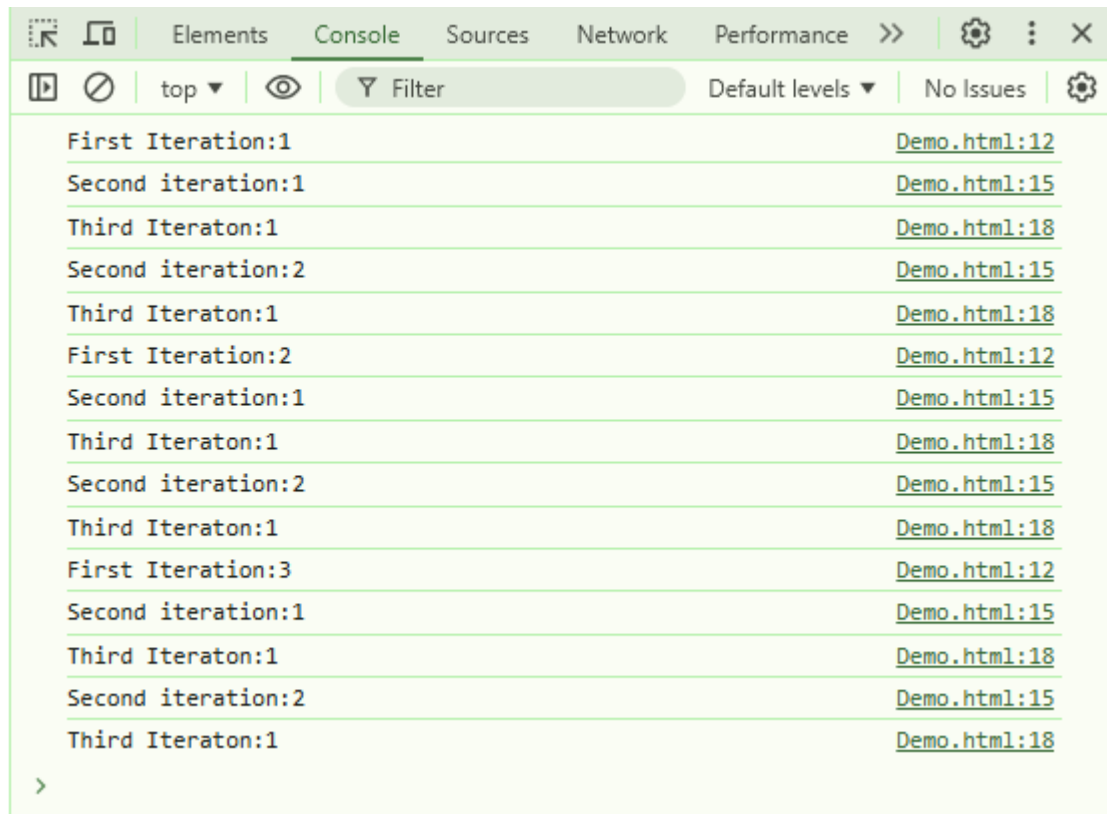
      }

  </script>

</body>

</html>
```

OUTPUT:



TASK-9

```
<!DOCTYPE html>
```

```
<html lang = "en">
```

```
<head>
```

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

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

```
<title>MERN PRATICE</title>
```

```
</head>
```

```
<body>
```

```
<script>
```

```
var name = "Sam",age = 14,Dept = "CSE";
```

```
document.write(name + "<br>",age + "<br>",Dept + "<br>");
```

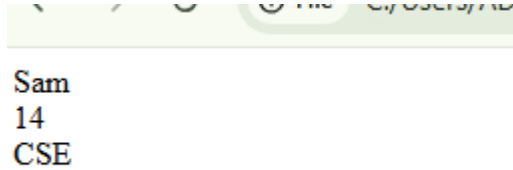
```
</script>
```



```
</body>
```

```
</html>
```

OUTPUT:



Sam
14
CSE

TASK-10

1.SCRIPT TAG USED INSIDE BODY:

```
<!DOCTYPE html>
```

```
<html lang = "en">
```

```
<head>
```

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

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

```
<title>MERN PRATICE</title>
```

```
</head>
```

```
<body>
```

```
<script>
```

```
console.log("Welcome");
```

```
</script>
```

```
</body>
```

```
</html>
```

2.SCRIPT TAG USED INSIDE HEAD TAG

```
<!DOCTYPE html>
```

```
<html lang = "en">
```

```
<head>
```

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

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

```
<title>MERN PRATICE</title>

<script>

    console.log("Welcome");

</script>

</head>

<body>

</body>

</html>
```

Script tag palced inside top and bottom,we cannot see any difference in behaviour.

there is no changes.

VARIABLES

TASK-16

```
<!DOCTYPE html>

<html lang = "en">

    <head>

        <meta charset="UTF-8">

        <meta name="viewport" content="width=device-width, initial-scale=1.0">

        <title>MERN PRATICE</title>

    </head>

    <body>

        <script>

            var name="Ram";

            const number = 12;

            let value=true;

            console.log(name);

            console.log(number);

            console.log(value);
```

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

USES:

Use **var** when we need to reassign a variable.

const cannot be reassigned.once the value is assigned using constant,it is not changed.

use **let** when we need to reassign a variable.

TASK-17

```
<!DOCTYPE html>

<html lang = "en">

    <head>

        <meta charset="UTF-8">

        <meta name="viewport" content="width=device-width, initial-scale=1.0">

        <title>MERN PRATICE</title>

    </head>

    <body>

        <script>

            const value = 32;

            value = 43;

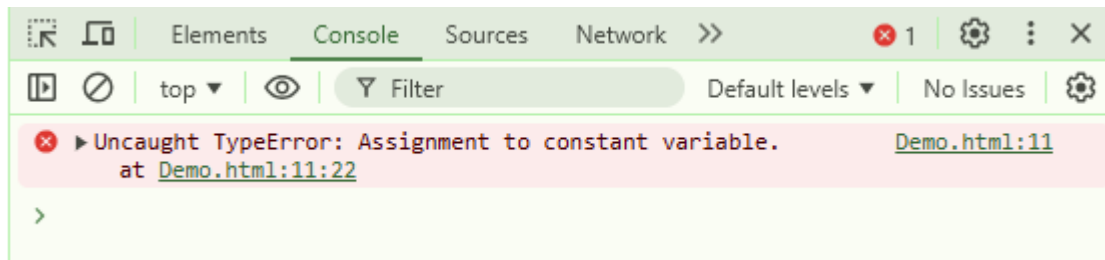
            document.write(value);

        </script>

    </body>

</html>
```

OUTPUT:



TASK-18

<!DOCTYPE html>

<html lang = "en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>MERN PRATICE</title>

</head>

<body>

<script>

let value;

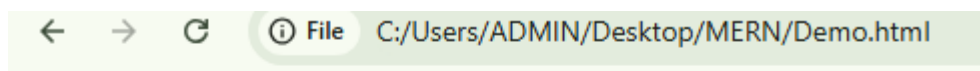
document.write(value);

</script>

</body>

</html>

OUTPUT:



undefined

TASK-19

<!DOCTYPE html>

<html lang = "en">

```
<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>MERN PRATICE</title>

</head>

<body>

  <script>

    let value = true;

    document.write(typeof value + "<br>");

    document.write(typeof 55 + "<br>");

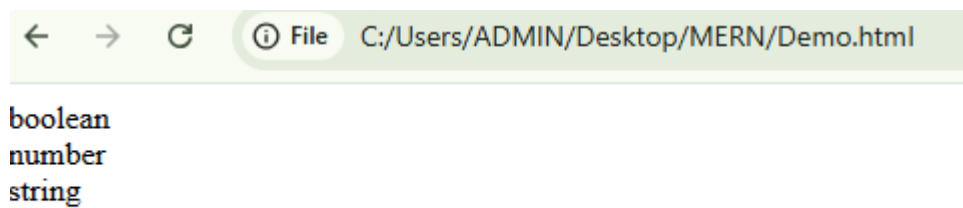
    document.write(typeof "Javascript");

  </script>

</body>

</html>
```

OUTPUT:



TASK-20

```
<!DOCTYPE html>

<html lang = "en">

  <head>

    <meta charset="UTF-8">

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

```
<title>MERN PRATICE</title>

</head>

<body>

  <script>

    var num = "mern practice";

    var newname = num;

    console.log(num);

    console.log(newname);

  </script>

</body>

</html>
```

OUTPUT:

