An 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>practice</title>
</head>
<body>
     <script>
           alert("Hello,World!");
     </script>
</body>
</html>
▼ M Fwd: - 717823p128@kce.ac.in - X | 💘 mern2027: JavaScript Tasks X | 🔇 Tasks.pdf
                                                                              × +
                                                This page says
```

```
<script>
         var name = "dog";
         const number = 50;
         let value = false;
         console.log(name);
         console.log(number);
         console.log(value);
    </script>
</body>
</html>
 K [0
                                                                  Performance
                                                                                 >>
                                                                                         (<u>*</u>)
              Elements
                            Console
                                                     Network
                                        Sources
 Þ
             top ▼
                                ▼ Filter
                                                                                     No Issues
                       0
                                                                 Default levels ▼
     dog
                                                                                   demo.html:14
     50
                                                                                   demo.html:15
                                                                                   demo.html:16
     false
TASK 3
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
     <title>practice</title>
</head>
<body>
    <script>
         var a = 10;
         var b = 5;
         console.log(a+b);
         console.log(a-b);
```

```
console.log(a*b);
         console.log(a/b);
     </script>
</body>
</html>
                                                                                       ⊕ :
 .к <u>Го</u>
              Elements
                            Console
                                        Sources
                                                    Network
                                                                 Performance
 Þ
      0
             top ▼
                              ▼ Filter
                                                                Default levels ▼
                                                                                    No Issues
     15
                                                                                  demo.html:14
     5
                                                                                  demo.html:15
     50
                                                                                  demo.html:16
     2
                                                                                  demo.html:17
TASK 4
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>practice</title>
</head>
<body>
    <script>
     var a = "shell";
         var b = "nut";
         document.writeln(a+b +"<br>");
         var a = "black";
         var b = "board";
         document.writeln(a+b);
                                   </script>
</body>
```

</html>



shellnut blackboard

TASK 5

```
<!DOCTYPE html>
<html lang="en">
<head>
     <meta charset="UTF-8">
     <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>practice</title>
</head>
<body>
    <script>
         document.writeln(typeof"hello"+"<br>");
         document.writeln(typeof 8 +"<br>");
         let value = true;
         document.writeln(typeof value);
    </script>
</body>
</html>
string
number
boolean
```

2. Code structure:

TASK 6

// This is a single-line comment

This is a multi-line comment.

Multi-line comments are used forlarger descriptions */

Difference:

Single-line comments are used for small notes.

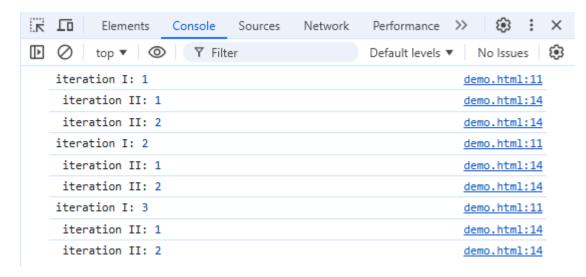
Multi-line comments are used for larger descriptions.

TASK 7

No differences

In some cases, we can see differences like using functions

```
<!DOCTYPE html>
<html lang="en">
<head>
     <meta charset="UTF-8">
     <meta name="viewport" content="width=device-width, initial-scale=1.0">
     <title>practice</title>
</head>
<body>
     <script>
     for (let i = 1; i <= 3; i++) {
          console.log(" iteration I:", i);
          for (let j = 1; j <= 2; j++) {
               console.log(" iteration II:", j);
          }
    }
     </script>
</body>
</html>
```



TASK 9

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>practice</title>
</head>
<body>
    <script>
        let name = "ram" , age = 20 , dept = "cse";
        document.writeIn(name,age,dept);
    </script>
</body>
</html>
                         (i) File C:/Users/
 ram20cse
```

```
1. <!DOCTYPE html> <html lang="en">
```

```
<head>
     <meta charset="UTF-8">
     <meta name="viewport" content="width=device-width, initial-scale=1.0">
     <title>practice</title>
     <script>
         console.log("hello");
         </script>
</head>
<body>
</body>
</html>
2.
<!DOCTYPE html>
<html lang="en">
<head>
     <meta charset="UTF-8">
     <meta name="viewport" content="width=device-width, initial-scale=1.0">
     <title>practice</title>
</head>
<body>
     <script>
    console.log("hello");
     </script>
</body>
</html>
No difference in the output
The modern mode, "use strict", Variables
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>practice</title>
</head>
<body>
     <script>
         var name = "dog";
         const number = 50;
         let value = false;
         console.log(name);
         console.log(number);
         console.log(value);
     </script>
</body>
</html>
USES
Use when reassignable variable
constant value should not change
Use when reassignable 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>practice</title>
</head>
<body>
     <script>
```

```
const value = 25;
        value = 30;
        document.writeln(value);
    </script>
</body>
</html>
 ĸ Lo
              Elements
                          Console
                                     Sources
                                                Network
             Default levels ▼
                                                                             No Issues
  🕴 Uncaught TypeError: Assignment to constant variable.
                                                                           demo.html:12
         at demo.html:12:15
TASK 18
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>practice</title>
</head>
<body>
    <script>
        let score;
        document.writeln(score);
    </script>
</body>
</html>
        Fwd: - 717823p128@kce.ac.in -
                                                Opractice
                     (i) File C:/Users/student/Desktop/mern/demo.html
```

undefined

```
<!DOCTYPE html>
<html lang="en">
<head>
     <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>practice</title>
</head>
<body>
    <script>
         document.writeln(typeof"hello"+"<br>");
         document.writeln(typeof 8 +"<br>");
         let value = true;
         document.writeln(typeof value);
    </script>
</body>
</html>
                        (i) File C:/l
string
number
boolean
TASK 20
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>practice</title>
</head>
<body>
```

run run