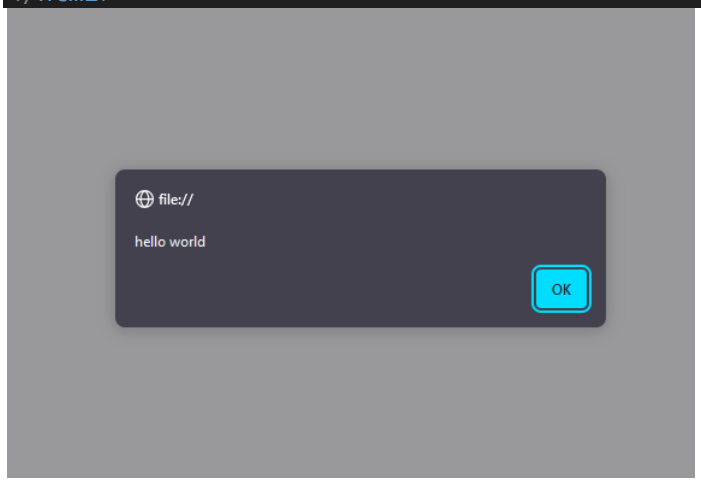
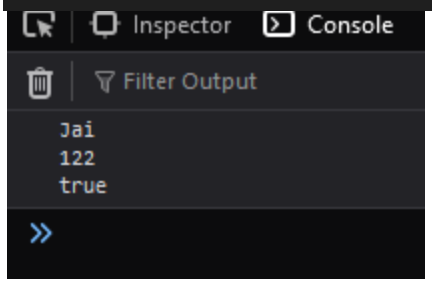
```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document Title</title>
</head>
<body>
    <script>
        alert ("hello world");
    </script>

</body>
</html>
```



TASK 2

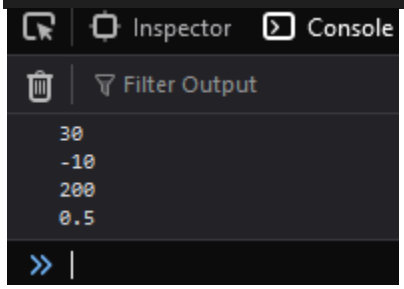
```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document Title</title>
</head>
<body>
    <script>
        let name="Jai";
        let roll=122;
        let value=true;
        console.log(name+'\n'+roll+'\n'+value);
      </script>
```

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



TASK 3

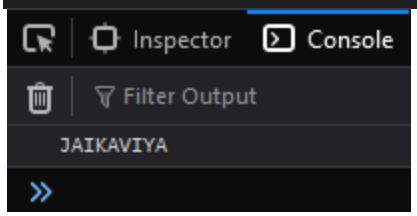
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document Title</title>
</head>
<body>
    <script>
       let a=10;
       let b=20;
       console.log((a+b) +'\n'+ (a-b ) +'\n'+ a*b  +'\n'+ a/b);
      </script>

</body>
</html>
```



TASK 4

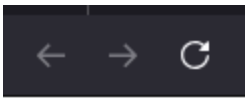
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Document Title</title>
</head>
<body>
    <script>
      let str1="JAI";
      let str2="KAVIYA";
        console.log(str1+str2);
      </script>

</body>
</html>
```



TASK 5

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document Title</title>
</head>
<body>
    <script>
      let name ="jai";
      document.writeln(typeof name +"<br>" );
      document.writeln("NAME "+name+"<br>");
      let name1=Number(name);
      document.writeln(typeof name1+"<br>");
      document.writeln("NAME1"+ name);
      </script>

</body>
</html>
```



string
NAME jai
number
NAME1jai

2.CODE STRUCTURES

TASK 6

```
// single line comment

      /* this
      is
      a muliti line
      comment
      */
```

SINGLE LINE COMMENT :

In Java Script the single line comment is used to comment the particular line which is marked with double backslach .. It is useful for the viewers of the code .

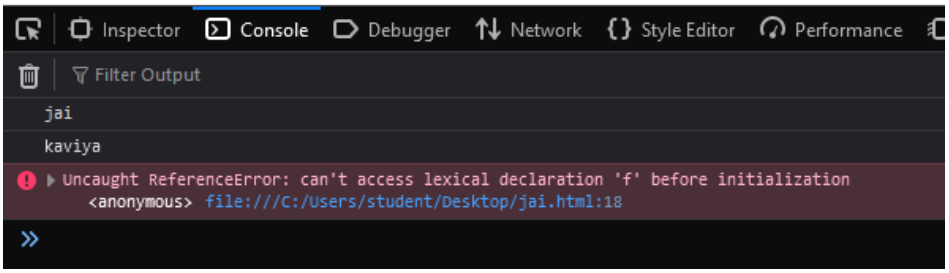
MULTILINE COMMENT :

In Java Script the multi line comment is used to comment the more than one line which is marked with/* _____*/.. It is useful for the viewers of the code .

TASK 7

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document Title</title>
</head>
<body>
    <script>
        let d=1;
        let e=2;
     let name = "jai"   //Error does not occurs because thje intepreter will do
the automatic semicolon insertion
      console.log(name);
```

```
      let name1 = "kaviya";
      console.log(name1)

      let f = d + e   // In this case in rare time the error may occurs because
the intepreter thinks that the both are same line
      console.log(f)


      </script>

</body>
</html>
```



Script with semicolon : It is the best way to practice or implement the java script code .

Script without semicolon : It may occurs some errors in the rare cases the interpreter thinks the console is a function of e.

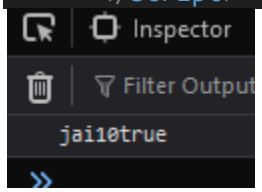
TASK 8

```
  <script>
          for(let i=2;i<=3;i++)
          {
            for(let j=1;j<=5;j++)
          {
          document.writeln(i +"x"+j +"="+(i*j)+"<br>");
          }
          }


      </script>
```

2x1=2
2x2=4
2x3=6
2x4=8
2x5=10
3x1=3
3x2=6
3x3=9
3x4=12
3x5=15

TASK 9

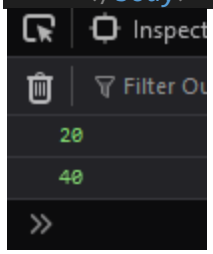
```
    <script>
       let name ="jai" ,n=10, b=true
       console.log(name + n+ b);

      </script>
```



TASK 10

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document Title</title>
  <script>
    let a=10,b=10;
    console.log(a+b);

   </script>
</head>
<body>
    <script>
        let c=20,d=20;
        console.log(c+d);
```

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

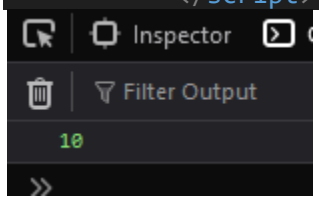


DIFFERENCE IN BEHAVIOUR :

If the script is inside the head the execution of the head will be first in the html document so the script executes first and gives the result as 20… Then the body will be execute and returns as 40.

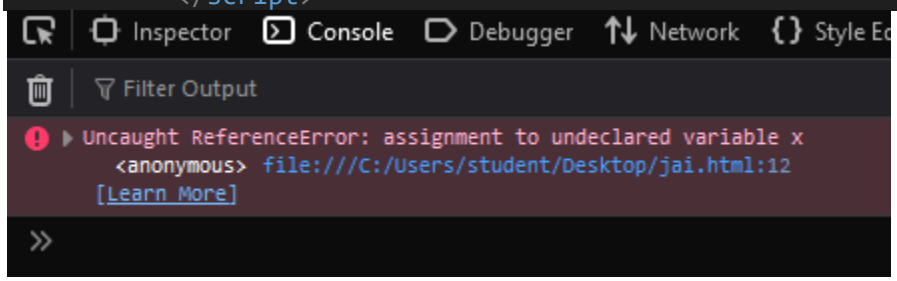
TASK 11

```
<script>
        x=10;
        console.log(x);

          </script>
```



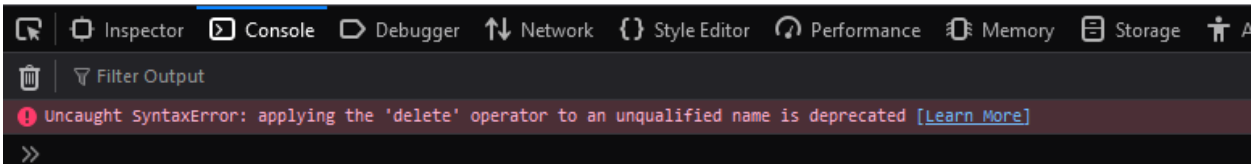
TASK 12

```
<SCRIPT>

    "use strict";
    x=10;
    console.log(x);


          </script>
```



TASK 13

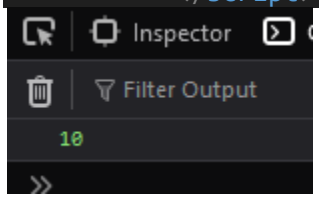
```
<script>"use strict";
     let myVar = 10;
     delete myVar;
    </script>
```



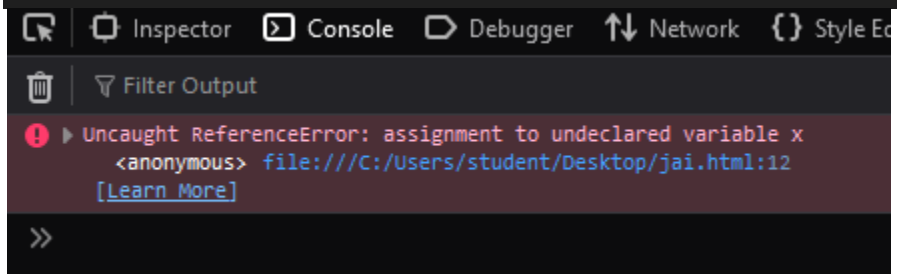
Cannot able to delete

TASK 14

```
<SCRIPT>

    "use strict";
    x=10;
    console.log(x);


          </script>
```



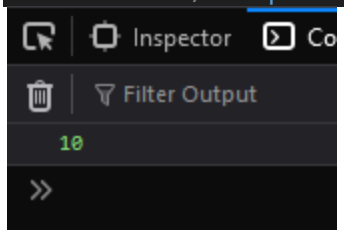

```
<SCRIPT>

    "use strict";
    x=10;
    console.log(x);
```



TASK 15

```
<SCRIPT>
```

```
   "use strict";
  let x=10;
   console.log(x);


          </script>
```



VARIABLES:

TASK 16

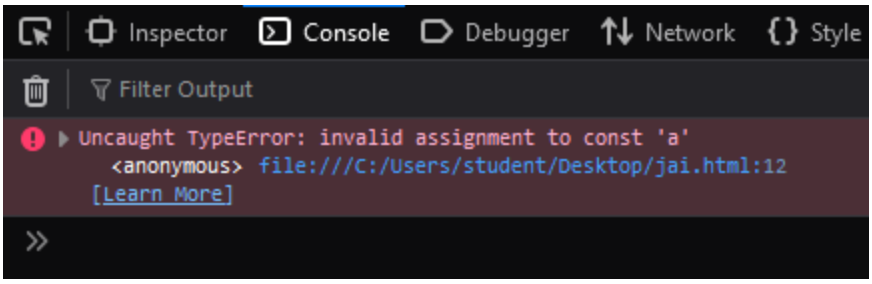
```
<script>
          let name="jai";
          var a="kaviya";
          const c=10;

          </script>
```

LET : We cannot redeclare the variable we can only reassign the value

VAR : We can redeclare the variable we can reassign the value.
CONST:It is a constant value we cannot able to alter the value.

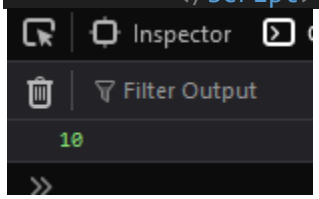
TASK 17

```
<script>
         const a=10;
         a=20;
         console.log(a);

          </script>
```



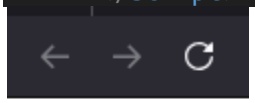
TASK 18

```
<script>
        x=10;
        console.log(x);

          </script>
```



TASK 19

```
<script>
     let name ="jai";
     document.writeln(typeof name +"<br>" );
     document.writeln("NAME "+name+"<br>");
     let name1=Number(name);
     document.writeln(typeof name1+"<br>");
     document.writeln("NAME1"+ name);
     </script>
```



string
NAME jai
number
NAME1jai

Task 20

```
SCRIPT>

    let userName = "Alice";
```

```
    console.log(userName);


    let name = "Alice";
    console.log(name);


</script>
```