ASSIGNMENT 4

(a) Demonstrate Javascript Variable declaration(var,let and const).

```
var - Notepad
File  Edit  Format  View  Help
<Html>
<body>
        <script>
                var a =20;
                document.write("variable value:",a);
                var a="hello engineers"
                document.write("variable value:",a);
        </script>
</body>
</html>
```

File | D:/21se02ml006(javascript)/var.html

variable value:20variable value:hello engineers

1

var1 - Notepad

File Edit Format View Help

```html
<html>
        <body>
                <script>
                        var a= 20;
                        document.write("<br> variable value",a);
                        {
                                var a="hi friends"
                                document.write("<br>variable value insid eblock",a);
                        }
                        document.write("<br> variable value outside the block",a);
                </script>
        </body>
</html>
```

Ln 10, Col 62   100%   Windows (CRLF)   U

variable value20
variable value insid eblockhi friends
variable value outside the blockhi friends

2

File | D:/21se02ml006(javascript)/let.html

Elements Console Sources »
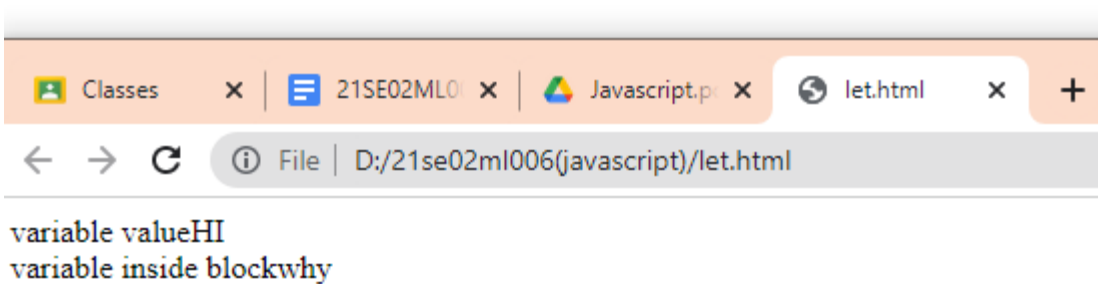
top ▼ Filter Default levels ▼

1 Issue: 1

⊗ Uncaught SyntaxError: Identifier 'a' has already been   let.html:6
  declared

```html
<html>
<body>
<script>
let a="HI";
document.write("variable value", a);
let a="why";
</script>
</body>
</html>
```
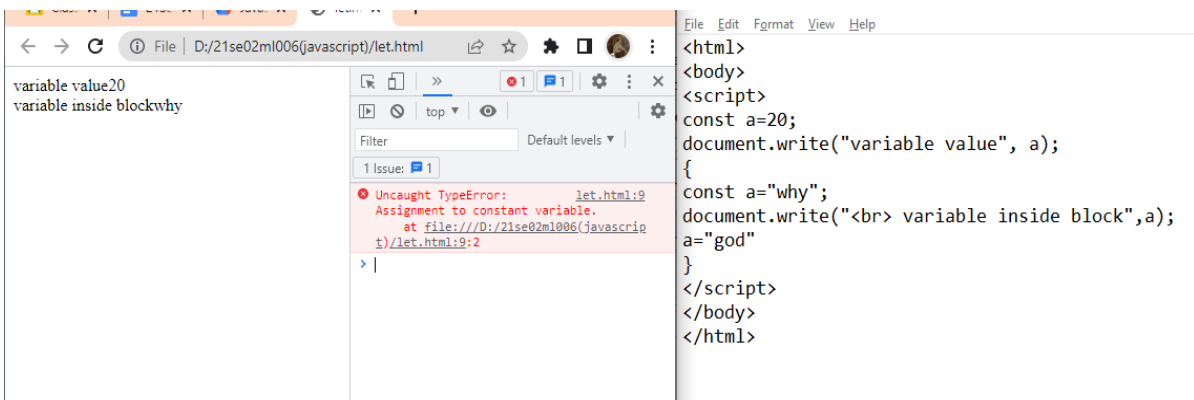
3

```
<html>
<body>
<script>
let a="HI";
document.write("variable value", a);
{
let a="why";
document.write("<br> variable inside block",a);
}
</script>
</body>
</html>
```
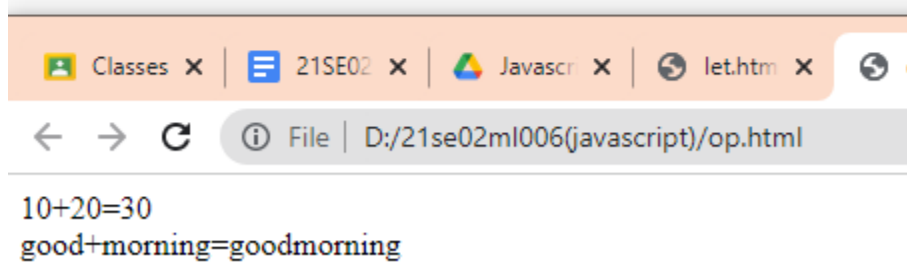
| Classes | × | 21SE02ML0 × | Javascript.p × | let.html × | + |

← → C ⓘ File | D:/21se02ml006(javascript)/let.html

variable valueHI
variable inside blockwhy

4

← → C ⓘ File | D:/21se02ml006(javascript)/let.html

variable value20
variable inside blockwhy

```
1 Issue: 1
⊗ Uncaught TypeError:          let.html:9
  Assignment to constant variable.
    at file:///D:/21se02ml006(javascrip
  t)/let.html:9:2
> |
```

File Edit Format View Help
```
<html>
<body>
<script>
const a=20;
document.write("variable value", a);
{
const a="why";
document.write("<br> variable inside block",a);
a="god"
}
</script>
</body>
</html>
```

5

(b) Demonstrate Javascript operators.
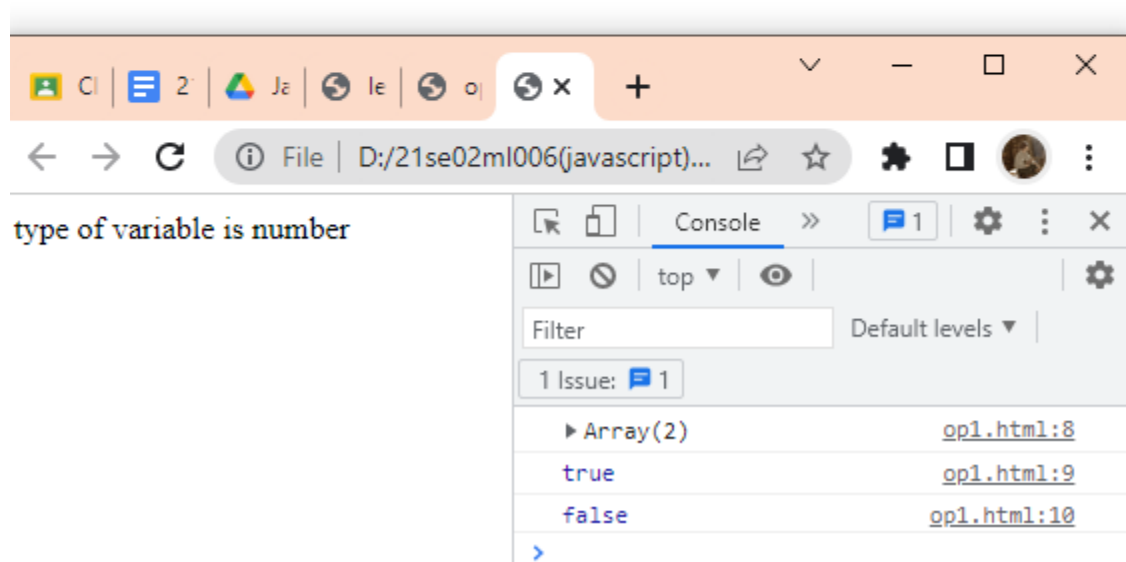
Arithmetic operators
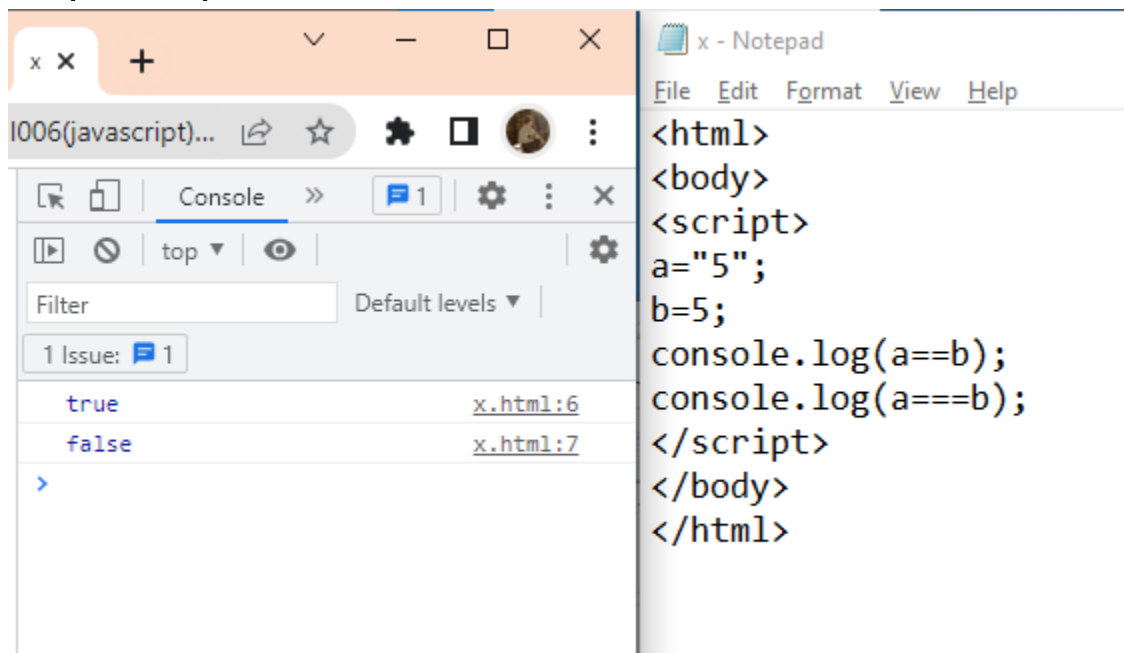
```html
<html>
<body>
<script>
let ans ,a ,b;
a=10;b=20
ans=a+b;
document.write(a,"+",b,"=",ans);
a="good";b="morning"
ans=a+b;
document.write("<br>",a,"+",b,"=",ans);
</script>
</body>
</html>
```

Classes ✕ | 21SE02 ✕ | Javascr ✕ | let.htm ✕

← → C ⓘ File | D:/21se02ml006(javascript)/op.html

10+20=30
good+morning=goodmorning

type operators

```html
<html>
<body>
<script>
let a;
a=10.6;
document.write("type of variable is ", typeof(a));
let departments=["CE","IT"]
console.log(departments)
console.log(departments instanceof Object);
console.log(departments instanceof Number);
</script>
</body>
</html>
```

type of variable is number

▶ Array(2)   op1.html:8
true   op1.html:9
false   op1.html:10

Comparison operators

Console output:

```
true                    x.html:6
false                   x.html:7
```

```html
<html>
<body>
<script>
a="5";
b=5;
console.log(a==b);
console.log(a===b);
</script>
</body>
</html>
```