

CASE STUDY – 06

TOPIC : Variables, Data types, Operators in JS

SOURCE CODE :

```
<html>
  <head>
    </head>
  <body>
    <script>
      var y=100;
      var y=1000;
      const x="Madan";
      console.log(y);
      document.writeln(y+"<br>");
      document.write(x);
      console.log(x);

      let a = 12345;
      let b = 'M';
```

```
let c = "Madan";
let d = 233.4;
let e = true;
let f = [123,123,4,6,78,6];
let g = [ 12,"Madan", 't', 233.4, true];
let h = {
    id:100, name:"Madan"
}
console.log(typeof a);
console.log(a);
console.log(typeof b);
console.log(b);
console.log(typeof c);
console.log(c);
console.log(typeof d);
console.log(d);
console.log(typeof e);
console.log(e);
console.log(typeof f);
console.log(f);
console.log(typeof g);
console.log(g);
```

```
console.log(typeof h);
console.log(h);
console.log(h.name);
document.write(h);
```

```
let i = 100;
let j = "100"
console.log(i==j);
console.log(i===j);
```

```
let k = 100;
let l = 100;
console.log(k%l);
console.log(k+l);
console.log(k-l);
console.log(k*l);
```

```
</script>
```

```
<h1>Variables in JS</h1>
```

```
</body>
```

```
</html>
```

OUTPUT:

The screenshot shows a browser window with the title "variables.js.html". The address bar indicates the file is located at "F:/MCA/FFT/variables.js.html". The main content area displays the output of a JavaScript script. The console log shows the following variables and their values:

```
1000
Madan[object Object]
Variables in JS
1000
variables.js.html:10
Madan
variables.js.html:13
number
variables.js.html:25
12345
variables.js.html:26
string
variables.js.html:27
M
variables.js.html:28
string
variables.js.html:29
Madan
variables.js.html:30
number
variables.js.html:31
233.4
variables.js.html:32
boolean
variables.js.html:33
true
variables.js.html:34
object
variables.js.html:35
▶ (6) [123, 123, 4, 6, 78, 6]
object
variables.js.html:36
▶ (5) [12, 'Madan', 't', 233.4, true]
object
variables.js.html:37
▶ (5) [12, 'Madan', 't', 233.4, true]
object
variables.js.html:38
▶ {id: 100, name: 'Madan'}
variables.js.html:39
Madan
variables.js.html:40
variables.js.html:41
true
variables.js.html:42
false
variables.js.html:43
0
variables.js.html:50
200
variables.js.html:51
0
variables.js.html:52
10000
variables.js.html:53
10000
variables.js.html:54
> |
```

The bottom of the browser window shows the standard Chrome interface with tabs for "Console", "AI assistance", and "What's new".