

```
1 console.clear();
2
3 /*
4
5 ◆ var Keyword
6
7 - Function-scoped
8
9 - Can be reassigned
10
11 - Hoisted (but initialized with undefined)
12
13 - Does NOT support block scope
14
15 */
16
17 var a = 5;
18
19 console.log(a); // 5
20
21 a = 10;
22
23 console.log(a); // 10
24
25 /*
26
27 ◆ let Keyword
28
29 - Block-scoped
30
31 - Can be reassigned
32
33 - Cannot be redeclared in the same scope
34
35 */
36
37 let x = 10;
```

O

```
38
39 console.log(x); // 10
40
41 x = 20;
42
43 console.log(x); // 20
44
45 // let x = 30; ❌ SyntaxError: Identifier 'x' has already been declared
46
47 /*
48
49 ♦ const Keyword
50
51 - Block-scoped
52
53 - Cannot be reassigned or redeclared
54
55 - Must be initialized at the time of declaration
56
57 */
58
59 const y = 30;
60
61 console.log(y); // 30
62
63 // y = 40; ❌ TypeError: Assignment to constant variable
64
65
66 /*
67
68 ♦ Template Literals (ES6)
69
70 - Cleaner and more readable string concatenation
71
72 - Supports interpolation using `${}`
73
74 */
75
```

```
76 let firstName = "John";  
77  
78 let lastName = "Doe";  
79  
80 let message = `Hello, My Name is ${firstName} ${lastName}!`;  
81  
82 console.log(message); // Hello, My Name is John Doe!
```