JavaScript

```
// single line comment console.log( "message" ); typeof "word"; // "string"
/* multiline prompt( "ask user" ); typeof 5; // "number"
comment */ confirm( "OK or cancel" ); debugger;
```

Variables < cannot change, block scoped let < can change. block scoped. var < can change, function scoped, hoisted let myString = "hi"; < declaring & assign</pre> let num = 10;values to variables let myBoole = true; < reassigning values myBoole = false; myString.toUpperCase(); // "HELLO" myString.charAt(0); parseFloat(num); // 10.0 num.toFixed(2); // 10.00


```
Operators
let x = 1; let y = 2;
Comparison
         // false
x == y
         // false
х === у
x !== y // true
         // true
x < y
x >= y
         // false
Arithmetic
         // 3
x + y
         // -1
х - у
х * у
         // 2
         // 0.5
x / y
Assignment
         // x is now 1
         // x is now 2
x += 1
x -= 1
         // x is now 1
x *= 2
         // x is now 2
String
y + "string"
                  // "2string"
Logical
                      // false
x === 50 && y === 2
x === 50 || y === 2
                      // true
```

```
if (num > 20) {
    // if num is greater than 20
}
else if (num <= 20 && num > 10) {
    // if num is lesser or
    // equal to 20 AND num is
    // greater than 10
}
else {
    // if none of the above
    // are true i.e. num <= 10
}</pre>
```

Press ctrl + shift + i or Press F12 for browser console window