main.js

Share Run Output

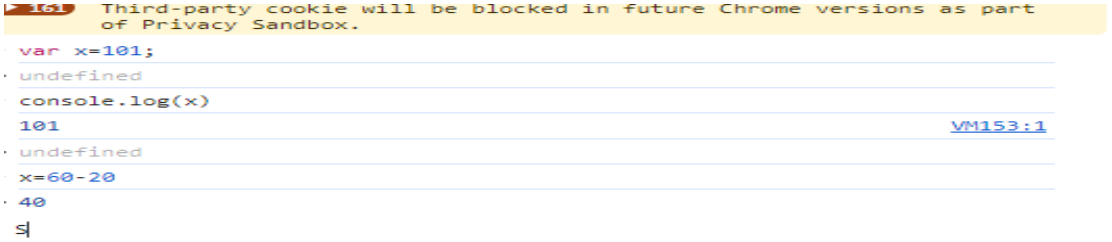
```
for (let i = 0; i < 2; i++) {
    console.log("Hello, world!");
}

// Output:
// Hi, world!
// Hi, world!
// Hi, world!
```

```
node /tmp/uvFK4sdJDn.js
Hello, world!
Hello, world!
```

2024/9/18 B11276049 阮氏紅錦

https://www.programiz.com/javascript/online-compiler/
https://www.programiz.com/javascript/data-types
https://www.programiz.com/javascript/if-else
Window+Shit+S=拍照




```
// assign 5 to variable score
let score = 55;
console.log(score); // 5

// change the value of score to 3
score =66;
console.log(score); // 3
```

```
node /tmp/JmWQoniaux.js
55
66
```

```
// store value in greet variable
const greet = "Hello";

// print the value of greet variable
console.log(greet);
```

```
node /tmp/OJCWCmIVWZ.js
Hello
```

```
let message = "Hello, JavaScript!";
console.log(message);

//Output: Hello, JavaScript!

console.log("Good Morning!");
console.log(2000);

//store value in greet variable
const greet = "Hello";

//print the value of greet variable
console.log(greet);
```

```
node /tmp/yW3x1zMdz4.js
Hello, JavaScript!
Good Morning!
2000
Hello

=== Session Ended. Please Run the code again ===
```

main.js Share Run Output

```
for (let i = 0; i < 2; i++) {
    console.log("Hello, world!");
}

// Output:
// Hi, world!
// Hi, world!
// Hi, world!
```

```
node /tmp/uvFK4sdJDn.js
Hello, world!
Hello, world!
```

```
// string enclosed within single quotes
let friut = 'apple';
console.log(friut)

// string enclosed within double quotes
let country = "USA";
console.log(country);

// string enclosed within backticks
let result = 'fail';
console.log(result);
```

```
node /tmp/ToOJTYr8mT.js
apple
USA
fail
```

```
// BigInt value
let value1 = 900719925124740998n;

// add two big integers
let result1 = value1 + 1n;
console.log(result1);  // "900719925124740999n"

let value2 = 900719925124740998n;
```

```
node /tmp/o6fjOOAwws.js
900719925124740999n
```

```
// integer value
let integer_number = -3;
console.log(integer_number);

// floating-point value
let float_number = 3.15;
console.log(float_number);
```

```
node /tmp/eFwExVXG9i.js
-3
3.15
```

```
let dataChecked = true;
console.log(dataChecked);  // true

let valueCounted = false;
console.log(valueCounted);  // false
```

```
node /tmp/yAT5TwPRmw.js
true
false
```

```
let name;
console.log(name);  // undefined
```

```
node /tmp/Gq8yeQQeOl.js
undefined
```

```
let name = undefined;
console.log(name);  // undefined
```

```
node /tmp/8anyOXvg2Y.js
undefined
```

```
let number = null;
console.log(number);  // null
```

```
node /tmp/G5OoXypQPk.js
null
```

main.js

```
for (let i = 0; i < 2; i++) {
    console.log("Hello, world!");
}

// Output:
// Hi, world!
// Hi, world!
// Hi, world!
```

Output

```
node /tmp/uvFK4sdJDn.js
Hello, world!
Hello, world!
```

```
// two symbols with the same description
let value1 = Symbol("programiz");
let value2 = Symbol("programiz");

console.log(value1 === value2);  // false
```

```
node /tmp/NHmwaBRYLT.js
false
```

main.js

```
// Program to check if the number is positive

const number = prompt("Enter a number: ");

// check if number is greater than 0
if (number > 0) {
    // the body of the if statement
    console.log("positive number");
}

console.log("nice number");
```

Output

```
node /tmp/sPHdb9BoVj.js
Enter a number: 0
nice number
```

main.js

```
let score = 45;

// check if score is fifty or greater
if (score >= 50) {
    console.log("You passed the examination.");
}
else {
    console.log("You failed the examination.");
}

// Output: You failed the examination.
```

Output

```
node /tmp/p
You failed
```

main.js

```
let age = 15;

// if age is 18 or above, you are an adult
// otherwise, you are a minor

if (age >= 18) {
    console.log("You are an adult");
}
else {
    console.log("You are a minor");
}

// Output: You are a minor
```

Output

```
node /tmp/GdThnFTLzX.js
You are a minor
```

main.js

```
const a = 4, b = 2;
console.log(a > b);

// Output: true
```

Output

```
node /tmp/
true
```

main.js

Share Run Output

```
for (let i = 0; i < 2; i++) {
    console.log("Hello, world!");
}

// Output:
// Hi, world!
// Hi, world!
// Hi, world!
```

```
node /tmp/uvFK4sdJDn.js
Hello, world!
Hello, world!
```

main.js

Share Run Output

```
// same value, same type
console.log(4 == 4);  // true

// same value, different type
console.log(3 == "3");  // true

// different values, same type
console.log("hi" == "Hello");  // false
```

```
node /tmp/X26NWl51sd.js
true
true
false
```

main.js

Share Run Output

```
// initialize variable i
let i = 2;

// loop runs until i is less than 4
while (i < 10) {
    console.log(i);
    i += 1;
}
```

```
node /tmp/tAtQ52zjKX.js
2
3
4
5
6
7
8
9
```

main.js

Share Run Output

```
let num = 0, sum = 2;

// loop as long as num is 0 or positive
while (num >= 2) {

    // add all positive numbers
    sum += num;

    // take input from the user
    num = parseInt(prompt("Enter a number: "));
}

// last, display sum
console.log(`The sum is ${sum}`);
```

```
node /tmp/Ce6X5294yF.js
The sum is 2
```