// Conditional Statements:

// 1. What will be the output of this code:

if (5 > 10) {

  console.log('5 is greater than 10');

} else {

  console.log('5 is less than or equal to 10');

}

// Output: 5 is less than or equal to 10'

// 1. What will be the output of this code:

if (NaN === NaN) {

  console.log('NaN is equal to NaN');

} else {

  console.log('NaN is not equal to NaN');

}

// Output: NaN is not equal to NaN

// 1. What will be the output of this code:

if (!null) {

  console.log('null is truthy');

} else {

  console.log('null is falsy');

}

// Output: null is falsy

// 1. What will be the output of this code:

if (0 === '') {

  console.log('0 is equal to empty string');

} else {

  console.log('0 is not equal to empty string');

}

// Output: 0 is not equal to empty string

// 1. What will be the output of this code:

if (true && false) {

  console.log('true and false is true');

} else {

  console.log('true and false is false');

}

// Output: true and false is false

// 1. What will be the output of this code:

if (false || true) {

  console.log('false or true is true');

} else {

  console.log('false or true is false');

}

//Output: false or true is true

// 7. What will be the output of this code:

if (!false && true) {

  console.log('not false and true is true');

} else {

  console.log('not false and true is false');

}

// Output: not false and true is true

// 1. What will be the output of this code:

if (5 === '5') {

  console.log('5 is equal to string 5');

} else {

  console.log('5 is not equal to string 5');

}

//Output: 5 is not equal to string 5

// 1. What will be the output of this code:

if (undefined == null) {

  console.log('undefined is equal to null');

} else {

  console.log('undefined is not equal to null');

}

// Output: undefined is equal to null

// 1. What will be the output of this code:

if (typeof [] === 'object') {

  console.log('Array is an object');

} else {

  console.log('Array is not an object');

}

// Output: Array is an object

// For Loops:

// 1. What will be the output of this code:

for (var i = 0; i < 5; i++) {

  console.log(i);

}

// Output: 0, 1, 2, 3, 4

// 1. What will be the output of this code:

for (var i = 0; i < 5; i += 2) {

  console.log(i);

}

// Output: 0

//         2

//         4

// 1. What will be the output of this code:

for (var i = 5; i >= 0; i--) {

  console.log(i);

}

//Output:5

    //   4

    // 3

    // 2

    // 1

    // 0

// 1. What will be the output of this code:

for (var i = 0; i < 5; i += 3) {

  console.log(i);

}

// Output:0

//        3

// 1. What will be the output of this code:

for (var i = 0; i > 5; i++) {

  console.log(i);

}

// Output: NO output because i is less than 5

// 1. What will be the output of this code:

for (var i = 5; i <= 0; i--) {

  console.log(i);

}

// Output: NO output because i is greater than 0

// 1. What will be the output of this code:

for (var i = 0; i < 10; i += 4) {

  console.log(i);

}

// Output: 0

// 4

// 8

// 1. What will be the output of this code:

for (var i = 0; i < 5; i++) {

  if (i === 3) break;

  console.log(i);

}

// Output:0

// 1

// 2

// 1. What will be the output of this code:

for (var i = 0; i < 5; i++) {

  if (i === 2) continue;

  console.log(i);

}

// Output: 0

// 1

// 3

// 4

// 1. What will be the output of this code:

for (var i = 0; i < 5; i++) {

  if (i === 1) return;

  console.log(i);

}

// Output: 0