# JavaScript Homework #3 - Hoisting

A programmer wrote following code. Please write the actually code after JavaScript hoisting and explain why.

//-------------------

**var** x;

**if** (x !== 3) {

console.log(y);

**var** y = 5;

**if** (y === 5) {

**var** x = 3;

}

console.log(y);

}

**If** (x === 3) {

console.log(y);

}

//-------------------

//-------------------

**var** x = 3;

**if** (x === 3) {

**var** x = 2;

console.log(x);

}

console.log(x);

//-------------------