**Problem 1**

const cars = ['Tesla', 'Mercedes', 'Honda']

const [ randomCar ] = cars

const [ ,otherRandomCar ] = cars

//Predict the output

console.log(randomCar)

console.log(otherRandomCar)

**my prediction:**

Tesla

Mercedes

**output:**

Tesla

Mercedes

**Problem 2**

const employee = {

name: 'Elon',

age: 47,

company: 'Tesla'

}

const { name: otherName } = employee;

//Predict the output

console.log(name);

console.log(otherName);

**my prediction:**

Elon

Elon

**output:**

ReferenceError: name is not defined

**Problem 3**

const person = {

name: 'Phil Smith',

age: 47,

height: '6 feet'

}

const password = '12345';

const { password: hashedPassword } = person;

//Predict the output

console.log(password);

console.log(hashedPassword);

**my prediction:**

12345

undefined

**output:**

12345

undefined

**Problem 4**

const numbers = [8, 2, 3, 5, 6, 1, 67, 12, 2];

const [,first] = numbers;

const [,,,second] = numbers;

const [,,,,,,,,third] = numbers;

//Predict the output

console.log(first == second);

console.log(first == third);

**my prediction:**

**false**

**false**

**output:**

**false**

**true**

**Problem 5**

const lastTest = {

key: 'value',

secondKey: [1, 5, 1, 8, 3, 3]

}

const { key } = lastTest;

const { secondKey } = lastTest;

const [ ,willThisWork] = secondKey;

//Predict the output

console.log(key);

console.log(secondKey);

console.log(secondKey[0]);

console.log(willThisWork);

**my prediction:**

'value'

[1, 5, 1, 8, 3, 3]

1

[1, 5, 1, 8, 3, 3]

**output:**

value

[ 1, 5, 1, 8, 3, 3 ]

1

5