第一題

```javascript
1
2   //jimmy's
3   let jimmyHeight = 1.78;
4   let jimmyWeights = 60;
5   let jimmyBMI =jimmyWeights/(jimmyHeight*jimmyHeight);
6
7   //tommy's
8   let tommyHeight = 1.75;
9   let tommyWeights = 120;
10  let tommyBMI =tommyWeights/(tommyHeight*tommyHeight);
11
12  let jimmyHigherBMI = (jimmyBMI < tommyBMI);
13  console.log(jimmyBMI.toFixed(2),tommyBMI.toFixed(2),jimmyHigherBMI)
14  |
15
16
17
18  //amy's
19  let amyHeight = 1.65;
20  let amyWeights = 45;
21  let amyBMI =amyWeights/(amyHeight*amyHeight);
22
23  //john's
24  let johnHeight = 1.75;
25  let johnWeights = 60;
26  let johnBMI =johnWeights/(johnHeight*johnHeight);
27
28  let amyHigherBMI =(amyBMI > johnBMI);
29  console.log(amyBMI.toFixed(2),johnBMI.toFixed(2),amyHigherBMI);
30
31  //hank's
32  let hankHeight = 1.58;
33  let hankWeights = 50;
34  let hankBMI =hankWeights/(hankHeight*hankHeight);
35
36  //max's
37  let maxHeight = 1.78;
38  let maxWeights = 100;
39  let maxBMI =maxWeights/(maxHeight*maxHeight);
40
41  let hankHigherBMI =(hankBMI > maxBMI);
42  console.log(hankBMI.toFixed(2),maxBMI.toFixed(2),hankHigherBMI);
43
```

```
20.03 31.56 false                    script-w02-69.js:42
```

第二題

```javascript
let country = 'Taiwan';
let continent = 'Asia';
let population = 23.29
const isIsLand = true;
let language = 'Chinese';
let finlandPopulation = 6;
let averagePopulation = 33;

console.log('population split in half: ', population/2);
console.log('population increase in 1 million', ++population);
console.log('台灣人口 > 芬蘭人口? ', population > finlandPopulation);
console.log('台灣人口 < 平均人口? ', population < averagePopulation);
console.log(country + ' is in ' + continent + ', and its ' + population +
' million people speak ' + language);

let description = country +' is in ' + continent +', and its '+ population +
' million people speak ' +language;
console.log(description);

let description2= `${country} is in ${continent}, and its ${population}
million people speak ${language}~;`
console.log(description2);
```

population split in half: 11.645	script-w02-69.js:68
population increase in 1 million 24.29	script-w02-69.js:69
台灣人口 > 芬蘭人口? true	script-w02-69.js:70
台灣人口 < 平均人口? true	script-w02-69.js:71
Taiwan is in Asia, and its 24.29 million people speak Chinese	script-w02-69.js:72
Taiwan is in Asia, and its 24.29 million people speak Chinese	script-w02-69.js:77
Taiwan is in Asia, and its 24.29 million people speak Chinese;	script-w02-69.js:81

第三題

```
let country = 'Taiwan';
let continent = 'Asia';
let population = 23.29
const isIsLand = true;
let language = 'Chinese';
let finlandPopulation = 6;
let averagePopulation = 33;

if(population>33){
    console.log(`${country}'s population is above average`);
}else{
    console.log(`${country}'s population is ${population} million below average`)
}
```

```
Taiwan's population          script-w02-69.js:92
is 23.29 million below average
```

```
let country = 'Taiwan';
let continent = 'Asia';
let population = 33.29
const isIsLand = true;
let language = 'Chinese';
let finlandPopulation = 6;
let averagePopulation = 33;

if(population>33){
    console.log(`${country}'s population is above average`);
}else{
    console.log(`${country}'s population is ${population} million below average`)
}
```

```
Taiwan's population          script-w02-69.js:90
is above average
```

第四題

```javascript
//jimmy's
let name1 = 'Jimmy'
let name1Height = 1.78;
let name1Weights = 60;
let name1BMI =name1Weights/(name1Height*name1Height);

//tommy's
let name2 = 'Tommy'
let name2Height = 1.75;
let name2Weights = 120;
let name2BMI =name2Weights/(name2Height*name2Height);

let name1HigherBMI = (name1BMI < name2BMI);
console.log(name1BMI.toFixed(2),name2BMI.toFixed(2),name1HigherBMI)

if(name1BMI>name2BMI){
    console.log(`${name1}'s BMI (${name1BMI.toFixed(2)}) is higher than ${name2}'s(39.18)!`);

}else if(name2BMI > name1BMI){
    console.log(`${name2}'s BMI (${name2BMI.toFixed(2)}) is higher than ${name1}'s(18.94)!`);
}else {

    console.log(`${name1}'s BMI (${name1BMI.toFixed(2)}) is equal to ${name2}'s(39.18)!`);
```

```
18.94 39.18 true        script-w02-69.js:110

Tommy's BMI (39.18)   script-w02-69.js:116
is higher than Jimmy's(18.94)!
```

```javascript
//jimmy's
let name1 = 'Jimmy'
let name1Height = 1.78;
let name1Weights = 60;
let name1BMI =name1Weights/(name1Height*name1Height);

//tommy's
let name2 = 'Tommy'
let name2Height = 1.75;
let name2Weights = 50;
let name2BMI =name2Weights/(name2Height*name2Height);

let name1HigherBMI = (name1BMI < name2BMI);
console.log(name1BMI.toFixed(2),name2BMI.toFixed(2),name1HigherBMI)

if(name1BMI>name2BMI){
    console.log(`${name1}'s BMI (${name1BMI.toFixed(2)}) is higher than ${name2}'s ${name2BMI.t

}else if(name2BMI > name1BMI){
    console.log(`${name2}'s BMI (${name2BMI.toFixed(2)}) is higher than ${name1}'s ${name1BMI.t
}else {

    console.log(`${name1}'s BMI (${name1BMI.toFixed(2)}) is equal to ${name2}'s ${name2BMI.toFi
}
```

```
    18.94 16.33 false        script-w02-69.js:110

    Jimmy's BMI (18.94)    script-w02-69.js:113
    is higher than Tommy's 16.33!
```

```javascript
//jimmy's
let name1 = 'Jimmy'
let name1Height = 1.78;
let name1Weights = 60;
let name1BMI =name1Weights/(name1Height*name1Height);

//tommy's
let name2 = 'Tommy'
let name2Height = 1.78;
let name2Weights = 60;
let name2BMI =name2Weights/(name2Height*name2Height);

let name1HigherBMI = (name1BMI < name2BMI);
console.log(name1BMI.toFixed(2),name2BMI.toFixed(2),name1HigherBMI)

if(name1BMI>name2BMI){
    console.log(`${name1}'s BMI (${name1BMI.toFixed(2)}) is higher than ${name2}'s ${name2BMI.

}else if(name2BMI > name1BMI){
    console.log(`${name2}'s BMI (${name2BMI.toFixed(2)}) is higher than ${name1}'s ${name1BMI.
}else {

    console.log(`${name1}'s BMI (${name1BMI.toFixed(2)}) is equal to ${name2}'s ${name2BMI.toF
}
```

```
    18.94 18.94 false        script-w02-69.js:110

    Jimmy's BMI (18.94)    script-w02-69.js:119
    is equal to Tommy's 18.94!
```

第五題

```javascript
const numNeighbors = Number(prompt("How many neighbour countries does your c
if(numNeighbors == 1){
    console.log('Only 1 borfer using ==');
}else if (numNeighbors > 1){
    console.log('More than 1 border');
}else{
    console.log('No border');
}


if(numNeighbors === 1){
    console.log('Only 1 border using ===');
}else if(numNeighbors > 1) {
console.log('More than 1 border');
}else{
    console.log('No border');
}
```

```
Only 1 borfer using ==              script-w02-69.js:131
Only 1 border using ===             script-w02-69.js:139
```

```javascript
const numNeighbors = (prompt("How many neighbour countries does your cou
if(numNeighbors == 1){
    console.log('Only 1 borfer using ==');
}else if (numNeighbors > 1){
    console.log('More than 1 border');
}else{
    console.log('No border');
}

if(numNeighbors === 1){
    console.log('Only 1 border using ===');
}else if(numNeighbors > 1) {
console.log('More than 1 border');
}else{
    console.log('No border');
}
```

```
Only 1 borfer using ==              script-w02-69.js:131
No border                           script-w02-69.js:143
```

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