

2023-12-21

我們先來看JS
for 迴圈的方法

先看PHP
for迴圈
記得口訣

跑操場

跑操場
從哪邊開始跑
跑幾圈
一次跑幾圈

For loop

```
// php
for ($i=1; $i <=10; $i++) {
    # code...
}
```

1.從哪邊開始跑

2.跑到哪邊

3.一次跑一圈

```
<!-- js -->
<script>
    for (let i = 1; i <= 10; i++) {
    }
</script>
```

練習 js

sum = 1+ 2 + 310

<pre><?php // php for (\$i=1; \$i <=10 ; \$i++) { # code... } // while \$j = 1; while (\$j <= 10) { \$j++; }</pre>	<pre><!-- js --> <script> // while loop 1 + 2 + 10 let j = 1; let sum = 0 while (j <= 10) { console.log('j = ', j); sum += j; console.log('sum = ', sum); j++; }</pre>
---	--

do while ?? 很少用 我只有在教學有用到

口訣 至少跑一次

同學自己練習看看 do while

1+2+.....10

迴圈 本質 重複同樣的動作 只要記得 1 +.... 10 就好

```
<?php

// php
for ($i=1; $i <=10 ; $i++) {
    # code...
}

// while
$j = 1;
while ($j <= 10) {
    $j++;
}

// do while
$k = 1;
do {
    $k++;
} while ($k <= 10);

<!-- js -->
<script>
    //do while loop 1 + 2 .... + 10
    let k = 1;
    let sum = 0
    do {
        console.log('k = ', k);
        sum += k;
        console.log('sum = ', sum);
        k++;
    } while (k <= 10);
</script>
```

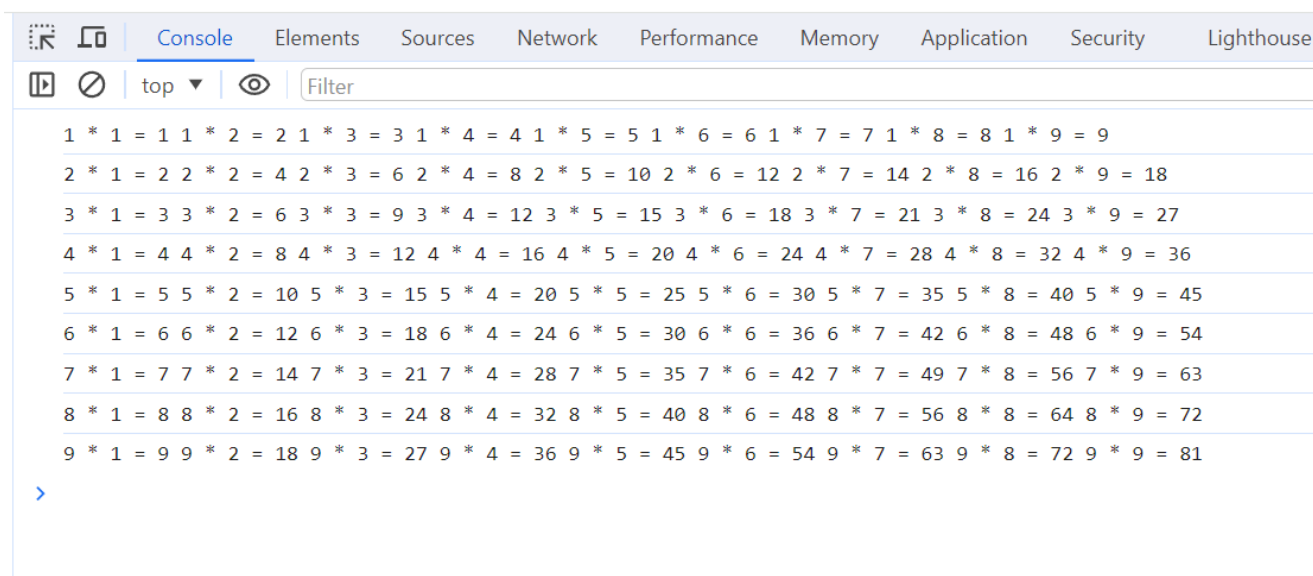
練習一

練習 99乘法表

使用js完成

1.console.log 顯示

2.建立一個result 顯示畫面上



$1 * 1 = 1$ $1 * 2 = 2$ $1 * 3 = 3$ $1 * 4 = 4$ $1 * 5 = 5$ $1 * 6 = 6$ $1 * 7 = 7$ $1 * 8 = 8$ $1 * 9 = 9$
 $2 * 1 = 2$ $2 * 2 = 4$ $2 * 3 = 6$ $2 * 4 = 8$ $2 * 5 = 10$ $2 * 6 = 12$ $2 * 7 = 14$ $2 * 8 = 16$ $2 * 9 = 18$
 $3 * 1 = 3$ $3 * 2 = 6$ $3 * 3 = 9$ $3 * 4 = 12$ $3 * 5 = 15$ $3 * 6 = 18$ $3 * 7 = 21$ $3 * 8 = 24$ $3 * 9 = 27$
 $4 * 1 = 4$ $4 * 2 = 8$ $4 * 3 = 12$ $4 * 4 = 16$ $4 * 5 = 20$ $4 * 6 = 24$ $4 * 7 = 28$ $4 * 8 = 32$ $4 * 9 = 36$
 $5 * 1 = 5$ $5 * 2 = 10$ $5 * 3 = 15$ $5 * 4 = 20$ $5 * 5 = 25$ $5 * 6 = 30$ $5 * 7 = 35$ $5 * 8 = 40$ $5 * 9 = 45$
 $6 * 1 = 6$ $6 * 2 = 12$ $6 * 3 = 18$ $6 * 4 = 24$ $6 * 5 = 30$ $6 * 6 = 36$ $6 * 7 = 42$ $6 * 8 = 48$ $6 * 9 = 54$
 $7 * 1 = 7$ $7 * 2 = 14$ $7 * 3 = 21$ $7 * 4 = 28$ $7 * 5 = 35$ $7 * 6 = 42$ $7 * 7 = 49$ $7 * 8 = 56$ $7 * 9 = 63$
 $8 * 1 = 8$ $8 * 2 = 16$ $8 * 3 = 24$ $8 * 4 = 32$ $8 * 5 = 40$ $8 * 6 = 48$ $8 * 7 = 56$ $8 * 8 = 64$ $8 * 9 = 72$
 $9 * 1 = 9$ $9 * 2 = 18$ $9 * 3 = 27$ $9 * 4 = 36$ $9 * 5 = 45$ $9 * 6 = 54$ $9 * 7 = 63$ $9 * 8 = 72$ $9 * 9 = 81$

3.完成的同學 做補0對齊 在網頁上

01 01 = 01 01 02 = 02

01 * 01 = 01	01 * 02 = 02	01 * 03 = 03	01 * 04 = 04	01 * 05 = 05	01 * 06 = 06	01 * 07 = 07	01 * 08 = 08	01 * 09 = 09
02 * 01 = 02	02 * 02 = 04	02 * 03 = 06	02 * 04 = 08	02 * 05 = 10	02 * 06 = 12	02 * 07 = 14	02 * 08 = 16	02 * 09 = 18
03 * 01 = 03	03 * 02 = 06	03 * 03 = 09	03 * 04 = 12	03 * 05 = 15	03 * 06 = 18	03 * 07 = 21	03 * 08 = 24	03 * 09 = 27
04 * 01 = 04	04 * 02 = 08	04 * 03 = 12	04 * 04 = 16	04 * 05 = 20	04 * 06 = 24	04 * 07 = 28	04 * 08 = 32	04 * 09 = 36
05 * 01 = 05	05 * 02 = 10	05 * 03 = 15	05 * 04 = 20	05 * 05 = 25	05 * 06 = 30	05 * 07 = 35	05 * 08 = 40	05 * 09 = 45
06 * 01 = 06	06 * 02 = 12	06 * 03 = 18	06 * 04 = 24	06 * 05 = 30	06 * 06 = 36	06 * 07 = 42	06 * 08 = 48	06 * 09 = 54
07 * 01 = 07	07 * 02 = 14	07 * 03 = 21	07 * 04 = 28	07 * 05 = 35	07 * 06 = 42	07 * 07 = 49	07 * 08 = 56	07 * 09 = 63
08 * 01 = 08	08 * 02 = 16	08 * 03 = 24	08 * 04 = 32	08 * 05 = 40	08 * 06 = 48	08 * 07 = 56	08 * 08 = 64	08 * 09 = 72
09 * 01 = 09	09 * 02 = 18	09 * 03 = 27	09 * 04 = 36	09 * 05 = 45	09 * 06 = 54	09 * 07 = 63	09 * 08 = 72	09 * 09 = 81

4.完成的同學

增加兩個num1 num2 inupt

增加一個button submit

可以自動做 num1 num2 乘法表

num1 num2 min=1 max=9

ex num1 = 7 , num2 = 3

73 乘法表

01 * 01 = 01 | 01 * 02 = 02 | 01 * 03 = 03 |
02 * 01 = 02 | 02 * 02 = 04 | 02 * 03 = 06 |
03 * 01 = 03 | 03 * 02 = 06 | 03 * 03 = 09 |
04 * 01 = 04 | 04 * 02 = 08 | 04 * 03 = 12 |
05 * 01 = 05 | 05 * 02 = 10 | 05 * 03 = 15 |
06 * 01 = 06 | 06 * 02 = 12 | 06 * 03 = 18 |
07 * 01 = 07 | 07 * 02 = 14 | 07 * 03 = 21 |

5.全部都完成的同學 最後顯示結果 為紅色

01 * 01 = 01 | 01 * 02 = 02 | 01 * 03 = 03 |
02 * 01 = 02 | 02 * 02 = 04 | 02 * 03 = 06 |
03 * 01 = 03 | 03 * 02 = 06 | 03 * 03 = 09 |
04 * 01 = 04 | 04 * 02 = 08 | 04 * 03 = 12 |
05 * 01 = 05 | 05 * 02 = 10 | 05 * 03 = 15 |
06 * 01 = 06 | 06 * 02 = 12 | 06 * 03 = 18 |
07 * 01 = 07 | 07 * 02 = 14 | 07 * 03 = 21 |