20250619hw-3project

執行結果:

100	[100] [50] [計算] [100 - S0 = S0
100	100

— ∖ js

版面、計算、結果呈現只需要一個檔案便能完成。

1. 版面

2. 計算

```
let myBtn = $('#myBtn');
       let resultP = $('#resultP');
       // 2. action
       myBtn.click(function (e) {
           let num1Value = Number(num1.val());
           console.log('num1Value', num1Value);
           console.log('num1Value typeof', typeof (num1Value));
           let optValue = opt.val();
           console.log('optValue', optValue);
           console.log('optValue typeof', typeof (optValue));
           let num2Value = Number(num2.val());
           console.log('num2Value', num2Value);
           console.log('num2Value typeof', typeof (num2Value));
           // 判斷並計算結果
           let result = 0;
           switch(optValue){
               case '+':
                   result = num1Value + num2Value;
                   break;
                case '-':
                   result = num1Value - num2Value;
                   break;
                case '*':
                   result = num1Value * num2Value;
                   break;
               case '/':
                   result = num1Value / num2Value;
                   break:
                default:
                   break;
           }
           resultP.text(`${num1Value} ${optValue} ${num2Value} = ${result}`);
       });
   3);
</script>
```

 \equiv \ form \rightarrow php

需要兩個檔案才能完成。一個檔案放版面,另一個處理資料&計算並顯示結果。

計算是在後端處理的。

1. 檔案一 -版面

2. 檔案二-計算&呈現

```
$input = $_GET;
$n1 = $_GET['num1'];
$opt = $_GET['opt'];
n2 = GET['num2'];
$result = 0;
switch($opt){
    case '+':
       $result = $n1 + $n2;
       break;
    case '-':
       result = n1 - n2;
       break;
    case '*':
       $result = $n1 * $n2;
       break;
    case '/':
       $result = $n1 / $n2;
       break;
    default:
       break;
}
```

```
<div class="container">
       >
          <input type="number" name="num1" id="num1" value="<?= $n1;?>">
       >
          <input type="text" name="opt" id="opt" value="<?= $opt;?>">
       <input type="number" name="num2" id="num2" value="<?= $n2;?>">
       <button type="submit" id="myBtn" value="submit" >計算</button>
       <hr>>
       <?= $n1 . $opt . $n2 . " = " .$result;?>
       </div>
```

(需要開xampp的Apache去執行!!!)

需要兩個檔案才能完成。一個檔案放版面&計算並顯示結果,另一個處理資料。

計算是在前端處理的。

1. 檔案一-版面 &計算並顯示結果

```
<div class="container">
       <form action="./c03_ajaxData.php" method="get" id="myForm">
              <input type="number" name="num1" id="num1" value="100">
          >
              <input type="text" name="opt" id="opt" value="+">
          <input type="number" name="num2" id="num2" value="50">
          <button type="submit" id="myBtn">計算</button>
          </form>
          <hr>>
          //計算結果
          </div>
```

&

```
<script>
        $(document).ready(function () {
            // 1. bind
            let num1 = $('#num1');
            let opt = $('#opt');
            let num2 = $('#num2');
            let myBtn = $('#myBtn');
            let resultP = $('#resultP');
            const myForm = $('#myForm');
            // 2. action
            myForm.submit(function (e) {
                e.preventDefault();
                let url = "./c03_ajaxData.php";
                let data = $(this).serializeArray();
                console.log('data', data);
                $.ajax({
                    type: "get",
                    url: url,
                    data: data,
                    dataType: "json",
                    success: function (response) {
                        console.log('response', response);
                        let num1Value = Number(num1.val());
                        console.log('num1Value', num1Value);
                        console.log('num1Value typeof', typeof (num1Value));
```

```
let optValue = opt.val();
                    console.log('optValue', optValue);
                    console.log('optValue typeof', typeof (optValue));
                    let num2Value = Number(num2.val());
                    console.log('num2Value', num2Value);
                    console.log('num2Value typeof', typeof (num2Value));
                    // 判斷並計算結果
                    let result = 0;
                    switch(optValue){
                        case '+':
                            result = num1Value + num2Value;
                            break;
                        case '-':
                            result = num1Value - num2Value;
                            break;
                        case '*':
                            result = num1Value * num2Value;
                            break;
                        case '/':
                            result = num1Value / num2Value;
                            break;
                        default:
                            break;
                    }
                    resultP.text('${num1Value} ${optValue} ${num2Value} = ${result}');
                }
            });
        });
    });
</script>
```

2. 檔案二 -處理資料(?)

```
$input = $_GET;
echo json_encode($input);
```