6. Javascript

6.1 Introduction

(1). Introduction

■ Tag 可置於 Body section
```
<script type="text/javascript">
  ...
</script>
```
➢ language="javascript" (舊用法)

(2). getElementById

■ **Write Text to the whole HTML**
```
<Body>
<input name="show" type="button" value="show" onclick="showit()" />
<script type="text/javascript">
  function showit(){
    document.write('<b>Hello World</b>');
  }
  Other Text
</script>
</Body>
```
➢ 按下[show]後，Button 會不見。
➢ 並出現 Hello World

■ **Write Text to a Tag**
```
<body>
<p id="hello"></p>
<input name="show" type="button" value="show" onclick="showit()" />
<script type="text/javascript">
  function showit(){
    document.getElementById('hello').innerHTML = 'Hello World';
  }
</script>
Other Text
</body>
```
➢ 按下[show]後，Button 仍會存在。
➢ 在 Button 上方出現 Hello World

■ Example
請寫個程式，包含[顯示]與[消失]兩個按鈕，按下[顯示]會顯示 HELLO，按下[消失]
則 HELLO 會不見，但是願來的所有按鈕皆要存在。
[提示]

```
<!DOCTYPE html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>4980E000 王小明</title>
</head>
<script type="application/javascript">
function showText(){
    document.getElementById("T01").innerHTML = "HELLO";
}
</script>
<body>
<button onclick="showText()">顯示</button>
<button>消失</button>
<div id="T01"></div>
</body>
</html>
```

(3). ..
- 111

6.2　CSS

(1). Color
- Basic Usage
  - document.getElementById('id1').style.color = 'red'
- Example
```
<script type="application/javascript">
function showRED(){
    document.getElementById("T01").style.color = 'red';
}
</script>
<body>
<button onClick="showRED()">紅</button>
<div id="T01">Hello</div>
```
- Example
  HTML 如下，請寫程式，按下[藍]Hello 會變藍色，按下[綠]Hello 會變綠色。
```
<script type="application/javascript">
```

```
function showRED(){
    document.getElementById("T01").style.color = 'red';
}
</script>
<body>
<button onClick="showRED()">紅</button>
<button>藍</button>
<button>綠</button>
```

- ➢ `<div id="T01">Hello</div>`

(2). className

- ■ Basic Usage
  - ➢ `document.getElementById('id1').className = 'c01';`
- ■ Example

```
<style type="text/css">
.c01 {
    font-size:36px;
}
</style>
<script type="application/javascript">
function chgCSS(){
    document.getElementById("T01").className = "c01";
}
</script>
<body>
<button onclick="chgCSS()">格式</button>
<div id="T01">Hello World 你好</div>
</body>
</html>
```

- ■ Blinking

```
<style type="text/css">
.c02 {
    animation:blText 1.2s infinite;
}
@keyframes blText{
    0%{     color:#000;     }
    60%{    color:transparent; }
```

```
        100%{    color:#000;      }
    }
</style>
</script>
<body>
<div id="T01" class="c02">Hello World  你好</div>
</body>
</html>
```

■　Example

HTML 如下，請寫程式，按下[長]以藍色慢閃爍 4 秒，按下[短]會以紅色快閃爍 1 秒。

```
<!DOCTYPE html>
<body>
<button>長</button><button>短</button>
<div id="T01">Hello World  你好</div>
</body>
</html>
```

■