CSS樣式
字型、文字與清單

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控制文字樣式

□ 字型屬性

屬性	屬性名稱	設定值
color	字體顏色	顏色名稱 16進位碼 RGB碼
font-family	指定字型樣式	字型名稱
font-size	字體大小	數值+百分比(%) 數值+單位(pt,px,em,ex)
font-style	文字斜體	normal(普通) italic(斜體) oblique(斜體)
font-weight	文字粗體	normal(普通) bold(粗體) bolder(超粗體) lighter(細體)

顏色設定

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
    color: red;
}

h1 {
    color: #00ff00;
}

p.ex {
    color: rgb(0,0,255);
}
</style>
</head>
<body>

<h1>This is heading 1</h1>
<p>This is an ordinary paragraph. Notice that
this text is red. The default text-color for a
page is defined in the body selector.</p>
<p class="ex">This is a paragraph with
class="ex". This text is blue.</p>

</body>
</html>
```

☐ Color: 顏色名稱

■ 可使用顏色名稱、16進位、RGB碼

■ www.w3schools.com/css/css_colors.asp

■ http://www.w3schools.com/css/css3_colors.asp

This is heading 1

This is an ordinary paragraph. Notice that this text is red. The default text-color for a page is defined in the body selector.

This is a paragraph with class="ex". This text is blue.

font-family 字型樣式

☐ 瀏覽器會依順序找尋系統中符合的字型

☐ 字型名稱最好加上"雙引號"

```
<style>
p.serif {
    font-family: "Times New Roman", Times, serif;
}

p.sansserif {
    font-family: Arial, Helvetica, sans-serif;
}
</style>
```

This is a paragraph, shown in the Times New Roman font.

This is a paragraph, shown in the Arial font.

http://www.w3schools.com/css/tryit.asp?filename=trycss_font-family

font-size 字型大小

□ 格式

  ■ font-size: 字型大小**+**單位

□ 字型單位

```
<style>
h1 {
    font-size: 40px;
}
h2 {
    font-size: 30px;
}
</style>
```

單位	說明	範例
cm	以公分為單位	font-size:1cm
mm	以公釐為單位	font-size:10mm
px	以螢幕的像素(pixel)為單位	font-size:10px
pt	以點數(point)為單位	font-size:12pt
em	以目前字型大小為單位 如果目前字型為10pt，則1em=10pt	font-size:2em
%	目前字型大小的百分比	font-size:80%

絕對大小與相對大小

http://www.w3schools.com/cssref/playit.asp?filename=playcss_font-size&preval=medium

```
font-size:medium|xx-small|x-small|small|large|x-large|xx-large|smaller|larger|length|initial|inherit;
```

Value	Description
medium	Sets the font-size to a medium size. This is default
xx-small	Sets the font-size to an xx-small size
x-small	Sets the font-size to an extra small size
small	Sets the font-size to a small size
large	Sets the font-size to a large size
x-large	Sets the font-size to an extra large size
xx-large	Sets the font-size to an xx-large size
smaller	Sets the font-size to a smaller size than the parent element
larger	Sets the font-size to a larger size than the parent element
length	Sets the font-size to a fixed size in px, cm, etc.
%	Sets the font-size to a percent of the parent element's font size
initial	Sets this property to its default value. Read about initial
inherit	Inherits this property from its parent element. Read about inherit

多媒體程式設計-CSS

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font-style 文字斜體

☐ 設定值: normal, italic, oblique(斜體)

```
<style>
p.normal {
    font-style: normal;
}

p.italic {
    font-style: italic;
}
</style>
```

This is a paragraph in normal style.

*This is a paragraph in italic style.*

font-weight 文字粗體

☐ font-weight: normal|bold|bolder|lighter|*number*|initial|inherit;

  ■ http://www.w3schools.com/cssref/playit.asp?filename=playcss_font-weight

Value	Description
normal	Defines normal characters. This is default
bold	Defines thick characters
bolder	Defines thicker characters
lighter	Defines lighter characters
100 200 300 400 500 600 700 800 900	Defines from thin to thick characters. 400 is the same as normal, and 700 is the same as bold
initial	Sets this property to its default value. Read about *initial*
inherit	Inherits this property from its parent element. Read about *inherit*

font-weight -- Example

```
<body>
  <h1 style="font-weight:bold">Hello World!</h1>
  <h1 style="font-weight:normal">Hello World!</h1>
  <h1 style="font-weight:bolder">Hello World!</h1>
</body>
```
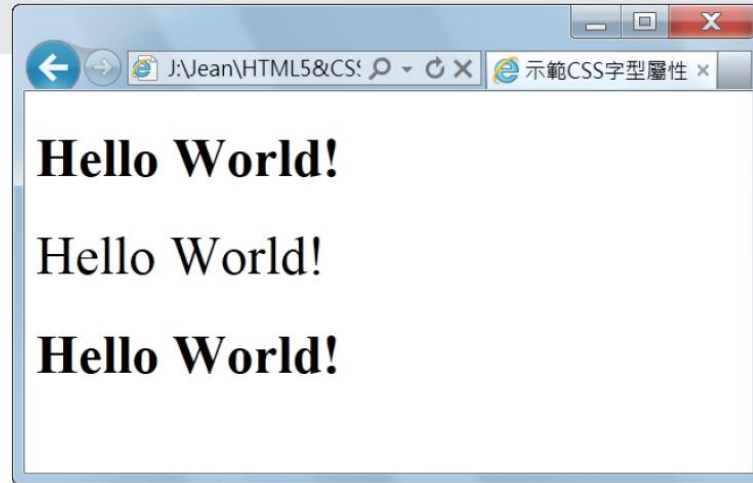
http://www.w3schools.com/cssref/tryit.asp?filename=trycss_font-weight

font-stretch (文字延展)

我們可以使用 CSS3 新增的 font-stretch ③ 屬性指定 HTML 元素的文字延展，其語法如下：

```
font-stretch:ultra-condensed | extra-condensed | condensed | semi-condensed | normal |
    semi-expanded | expanded | extra-expanded | ultra-expanded
```

這些設定值的延展寬度是由窄到寬，預設值為 normal，表示標準寬度。不過，目前主要瀏覽器尚未提供實作，下圖取材自官方網站供您參考 (http://www.w3.org/TR/css3-fonts/#font-stretch-prop)。

e e e e e e e e e

condensed   normal   expanded

練習1

嫦娥

雲母屏風燭影深，長河漸落曉星沉。
嫦娥應悔偷靈藥，碧海青天夜夜心。

預設段落文字

瑤瑟怨

冰簞銀床夢不成，碧天如水夜云輕。
雁聲遠過瀟湘去，十二樓中月自明。

斜體、加粗、large大小、標楷體

段落屬性

屬性	屬性名稱	設定值
text-align	設定文字水平對齊	left center right justify (分散對齊)
text-indent	首行縮排	數值＋百分比(%) 數值＋單位
letter-spacing	設定字元間距	normal 數值+單位 (pt，px，em)
line-height	設定行高	數值＋單位
word-wrap	設定是否換行	break-word

text-align --文字水平對齊方式

CSS Syntax

```
text-align: left|right|center|justify|initial|inherit;
```

Property Values

Value	Description
left	Aligns the text to the left
right	Aligns the text to the right
center	Centers the text
justify	Stretches the lines so that each line has equal width (like in newspapers and magazines)
initial	Sets this property to its default value. Read about *initial*
inherit	Inherits this property from its parent element. Read about *inherit*

text-align -- Example

```
<!DOCTYPE html>
<html>
<head>
<style>
h1 {
    text-align: center;
}
h2 {
    text-align: left;
}
h3 {
    text-align: right;
}
</style>
</head>
<body>
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<h3>This is heading 3</h3>
</body>
</html>
```

This is heading 1

This is heading 2

This is heading 3

http://www.w3schools.com/css/tryit.asp?filename=trycss_text-align

text-indent 設定首行縮排距離

☐ text-indent: 首行縮排距離(百分比、px、pt);

■ http://www.w3schools.com/cssref/playit.asp?filename=playcss_text-indent

CSS Syntax

```
text-indent: Length|initial|inherit;
```

Property Values

Value	Description
length	Defines a fixed indentation in px, pt, cm, em, etc. Default value is 0
%	Defines the indentation in % of the width of the parent element
initial	Sets this property to its default value. Read about initial
inherit	Inherits this property from its parent element. Read about inherit

text-indent -- Example

```
<style>
p {
    text-indent: 50px;
}
</style>
```

http://www.w3schools.com/cssref/playit.asp?filename=playcss_text-indent

In my younger and more vulnerable years my father gave me some advice that I've been turning over in my mind ever since. 'Whenever you feel like criticizing anyone,' he told me, 'just remember that all the people in this world haven't had the advantages that you've had.'

```
<h1> 蝶戀花 </h1>
<p style="text-indent:1cm"> 庭院深深深幾許？楊柳堆煙，簾幕無重數。
    玉勒雕鞍遊冶處，樓高不見章台路。雨橫風狂三月暮，門掩黃昏，
    無計留春住。淚眼問花花不語，亂紅飛過鞦韆去。 </p>
```

<\Ch11\text1.html>

示範CSS文字屬性

蝶戀花

　　庭院深深深幾許？楊柳堆煙，簾幕無重數。 玉勒雕鞍遊冶處，樓高不見章台路。雨橫風狂三月暮，門掩黃昏，　無計留春住。淚眼問花花不語，亂紅飛過鞦韆去。
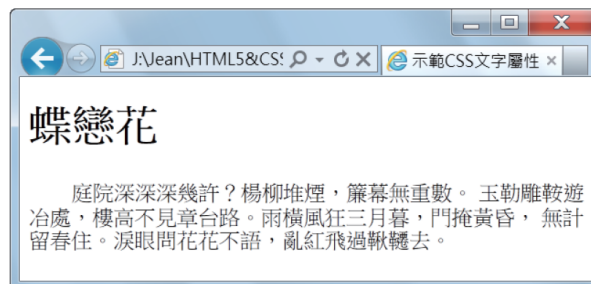
letter-spacing 設定字元間距

☐ letter spacing: 數值+單位

■ http://www.w3schools.com/cssref/playit.asp?filename=playcss
_letter-spacing

```
<style>
h1 {
    letter-spacing: 2px;
}

h2 {
    letter-spacing: -3px;
}
</style>
```

This is heading 1

This is heading 2

Value	Description
normal	No extra space between characters. This is default
length	Defines an extra space between characters (negative values are allowed)

Word-spacing 文字間距

```
word-spacing: normal|length|initial|inherit;
```

Property Values

Value	Description
normal	Defines normal space between words . This is default
length	Defines an extra space between words in px, pt, cm, em, etc. Negative values are allowed
initial	Sets this property to its default value. Read about initial
inherit	Inherits this property from its parent element. Read about inherit

```
<style>
p {
    word-spacing: 30px;
}
</style>
```

This   is   some   text.
This   is   some   text.

line-height – 設定行高

- 行高單位可以是px、pt、百分比、normal(自動調整)

```
line-height: normal|number|Length|initial|inherit;
```

Property Values

Value	Description
normal	A normal line height. This is default
number	A number that will be multiplied with the current font size to set the line height
length	A fixed line height in px, pt, cm, etc.
%	A line height in percent of the current font size
initial	Sets this property to its default value. Read about initial
inherit	Inherits this property from its parent element. Read about inherit

line-height --Example

```
<style>
p.small {
    line-height: 10px;
}

p.big {
    line-height: 200%;
}
</style>
```

This is a paragraph with a smaller line-height.
This is a paragraph with a smaller line-height.
This is a paragraph with a smaller line-height.
This is a paragraph with a smaller line-height.

This is a paragraph with a bigger line-height.

This is a paragraph with a bigger line-height.

This is a paragraph with a bigger line-height.

This is a paragraph with a bigger line-height.

文字效果屬性

屬性	屬性名稱	設定值
vertical-align	垂直對齊	baseline (一般位置) super(上標字) sub(下標字) top(對齊頂端) middle(垂直置中) bottom(對齊底部)
text-decoration	增加裝飾樣式	none underline(文字下方線) line-through(刪除線) overline(文字上方線)
text-transform	轉換字母大小寫	none lowercase uppercase capitalize
text-shadow (IE不支援)	增加陰影效果	

text-shadow 文字陰影

```
text-shadow: h-shadow v-shadow blur-radius color|none|initial|inherit;
```

Note: To add more than one shadow to the text, add a comma-separated list of shadows.

Property Values

Value	Description
h-shadow	Required. The position of the horizontal shadow. Negative values are allowed
v-shadow	Required. The position of the vertical shadow. Negative values are allowed
blur-radius	Optional. The blur radius. Default value is 0
color	Optional. The color of the shadow. Look at CSS Color Values for a complete list of possible color values
none	Default value. No shadow
initial	Sets this property to its default value. Read about initial
inherit	Inherits this property from its parent element. Read about inherit

text-shadow 文字陰影- example

http://www.w3schools.com/cssref/tryit.asp?filename=trycss3_text-shadow

```
<body>
   <h1 style="text-shadow:12px 8px 5px orange">Hello World!</h1>
   <h1 style="text-shadow:10px 10px 2px gray, 20px 20px 2px silver">Hello World!</h1>
</body>
```

<\
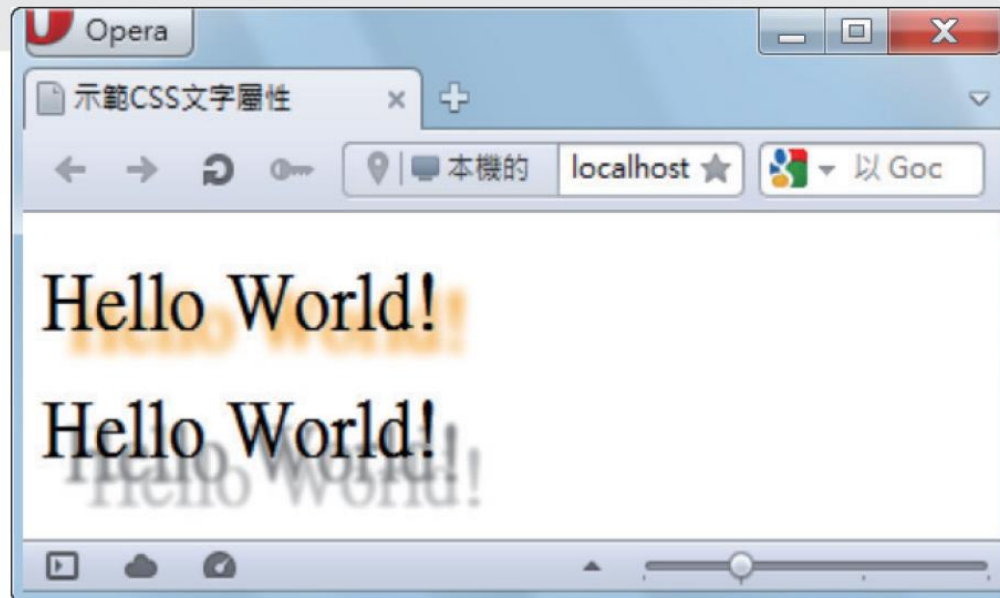
練習2

□Firefox結果

$$a^2 + b^2 = c^2$$

$$CO_2 \quad H_2O$$

□Chrome結果

$$a^2 + b^2 = c^2$$

$$CO_2 \quad H_2O$$

list-style-type 項目符號與編號類型

```
list-style-type: value;
```

☐ list-style-type: disc | circle | square | none | decimal

armenian	circle	decimal	georgian	decimal-leading-zero	lower-alpha	lower-greek	lower-roman	square	upper-alpha	upper-roman
Ա.	◦	1.	ა.	01.	a.	α.	i.	■	A.	I.
Բ.	◦	2.	ბ.	02.	b.	β.	ii.	■	B.	II.
Գ.	◦	3.	გ.	03.	c.	γ.	iii.	■	C.	III.
Դ.	◦	4.	დ.	04.	d.	δ.	iv.	■	D.	IV.
Ե.	◦	5.	ე.	05.	e.	ε.	v.	■	E.	V.

list-style-type 項目符號與編號類型 example

```
01:<!doctype html>
02:<html>
03:    <head>
04:        <meta charset="utf-8">
05:        <title>示範CSS清單屬性</title>
06:        <style>
07:            ul {list-style-type:square}
08:        </style>
09:    </head>
10:    <body>
11:        <ul>
12:            <li>射鵰英雄傳
13:            <li>天龍八部
14:            <li>倚天屠龍記
15:            <li>鹿鼎記
16:        </ul>
17:    </body>
18:</html>
```
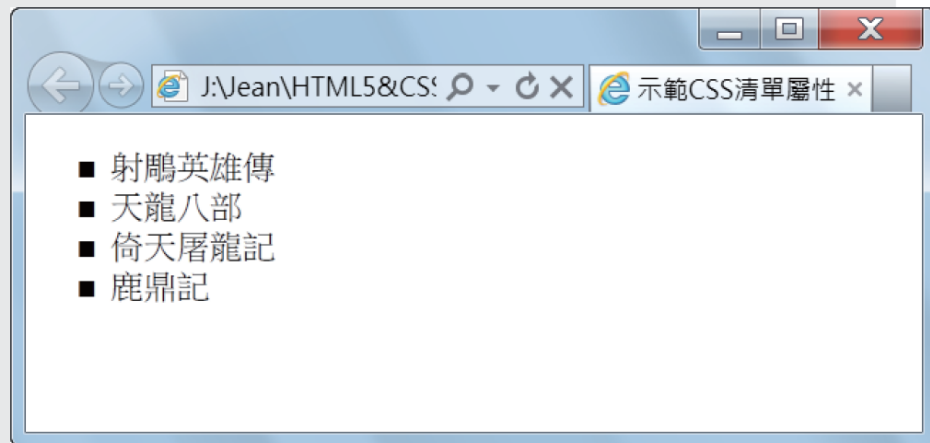
list-style-image 圖片項目符號

CSS Syntax

```
list-style-image: none|url|initial|inherit;
```

Property Values

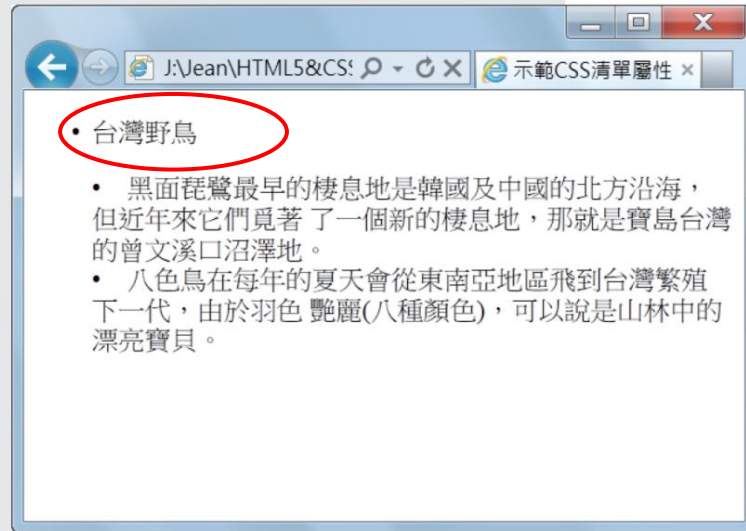| Value	Description
none	No image will be displayed. Instead, the list-style-type property will define what type of list marker will be rendered. This is default
url	The path to the image to be used as a list-item marker
initial	Sets this property to its default value. Read about *initial*
inherit	Inherits this property from its parent element. Read about *inherit*

list-style-image 圖片項目符號- example

```
01:<!doctype html>
02:<html>
03:    <head>
04:        <meta charset="utf-8">
05:        <title>示範CSS清單屬性</title>
06:        <style>
07:            ul {list-style-image:url(blockgrn.gif)}
08:        </style>
09:    </head>
10:    <body>
11:        <ul>
12:            <li>射鵰英雄傳
13:            <li>天龍八部
14:            <li>倚天屠龍記
15:            <li>鹿鼎記
16:        </ul>
17:    </body>
18:</html>
```
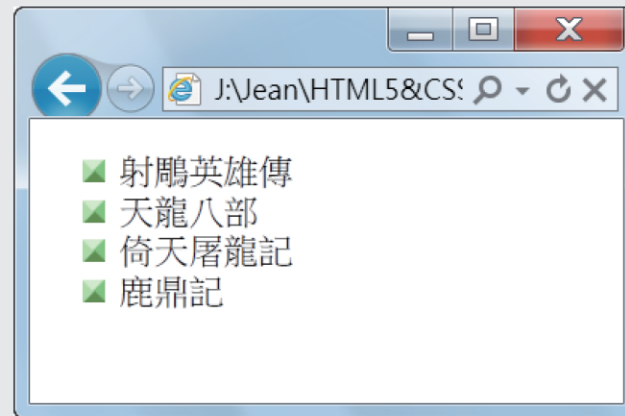
list-style-position

CSS Syntax

```
list-style-position: inside|outside|initial|inherit;
```

Property Values

Value	Description
inside	Indents the marker and the text. The bullets appear inside the content flow
outside	Keeps the marker to the left of the text. The bullets appears outside the content flow. This is default
initial	Sets this property to its default value. Read about *initial*
inherit	Inherits this property from its parent element. Read about *inherit*

Outside:

- Coffee
- Tea
- Coca-cola

Inside:

- Coffee
- Tea
- Coca-cola

list-style-position -- Example

```
01:<!doctype html>
02:<html>
03:  <head>
04:    <meta charset="utf-8">
05:    <title>示範 CSS 清單屬性 </title>
06:    <style>
07:      ul {list-style:outside}
08:      ul.compact {list-style:inside}
09:    </style>
10:  </head>
11:  <body>
12:    <ul>
13:      <li>台灣野鳥
14:    </ul>
15:    <ul class="compact">
16:      <li>黑面琵鷺最早的棲息地是韓國及中國的北方沿海,但近年來它們覓著
17:          了一個新的棲息地,那就是寶島台灣的曾文溪口沼澤地。
18:      <li>八色鳥在每年的夏天會從東南亞地區飛到台灣繁殖下一代,由於羽色
19:          艷麗(八種顏色),可以說是山林中的漂亮寶貝。
20:    </ul>
21:  </body>
22:</html>
```

list-style

- 清單之簡便表示法: 整合list-style-type, list-style-image, list-style-position

CSS Syntax

```
list-style: list-style-type list-style-position list-style-image|initial|inherit;
```

Property Values

Value	Description
list-style-type	Specifies the type of list-item marker. See list-style-type for possible values
list-style-position	Specifies where to place the list-item marker. See list-style-position for possible values
list-style-image	Specifies the type of list-item marker. See list-style-image for possible values
initial	Sets this property to its default value. Read about initial
inherit	Inherits this property from its parent element. Read about inherit

```
01:ol {list-style:upper-roman inside}
02:ul {list-style:square outside}
03:ul {list-style:url(blockred.gif) circle}
04:ul {list-style:none}
```

list-style -- Example

http://www.w3schools.com/cssref/tryit.asp?filename=trycss_list-style

```
<!DOCTYPE html>
<html>
  <head>
    <style>
        ul  {
              list-style: square url("sqpurple.gif");
            }
    </style>
  </head>
<body>

<ul>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Coca Cola</li>
</ul>

</body>
</html>
```

- Coffee
- Tea
- Coca Cola

練習3

□ 請使用CSS完成下列網頁

設定標題顏色、底線、灰色陰影

苦瓜的健康料理－苦瓜鑲肉

苦瓜又稱為錦荔枝，因其「實大如鴿子，有皺紋，似荔枝」而得名。

- 材料
  a. 苦瓜
  b. 大白菜
  c. 豬肉絞肉
  d. 太白粉
  e. 鹽
  f. 植物油
- 做法
  1. 苦瓜橫切成數塊，然後將內膜和子去除乾淨，使其成中空圈狀。
  2. 鹽漬數分鐘去除苦味。
  3. 將豬肉絞肉鑲進中空圈狀的苦瓜中，然後沾少許太白粉水，使其黏固。
  4. 用油煎熟，然後加入大白菜及少許水悶煮數分鐘即可。
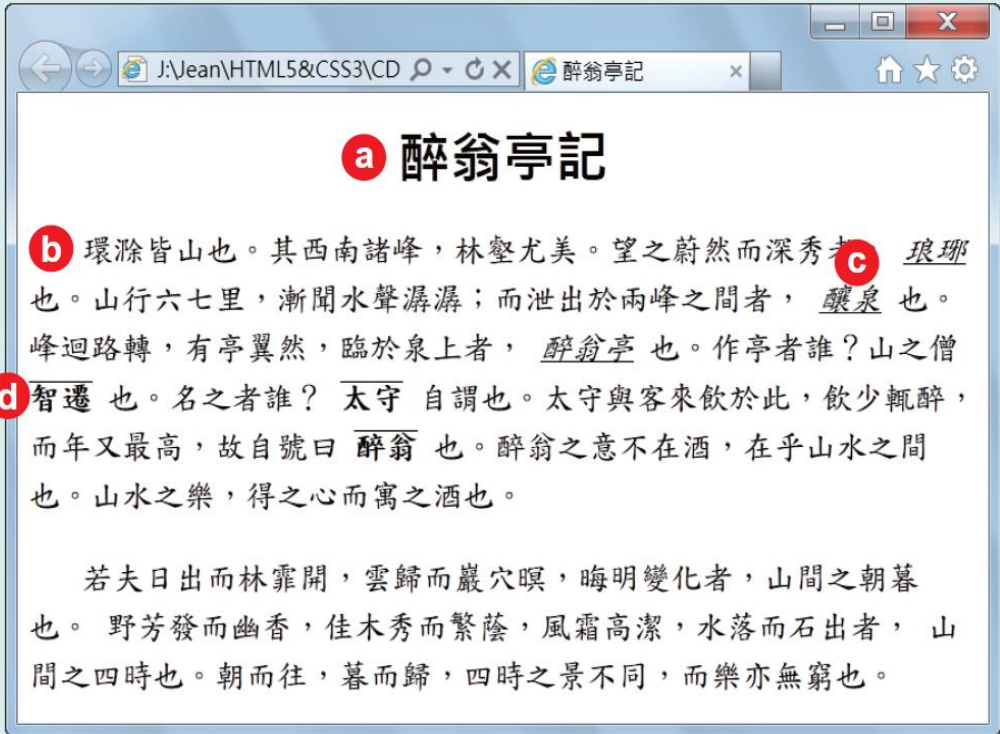
設定項目符號與編號

練習4

□ 請使用CSS完成下列網頁