

Introduction to JavaScript: Part 4

Introduction to Internet and Web







Contents

- HTML Table (Advanced)
- **❖** Use OPEN-API with Parameters



HTML tables allow web authors to arrange data into rows and columns.

- Use the HTML element to define a table
- Use the HTML > element to define a table row
- Use the HTML element to define a table data
- Use the HTML element to define a table heading

```
<!DOCTYPE html>
<html>
<body>
<h2>Basic HTML Table</h2>
Firstname
 Lastname
 Age
Jill
 Smith
 50
Eve
 Jackson
 94
John
 Doe
 80
</body>
</html>
```

Basic HTML Table

Lastname	Age	
Smith	50	
Jackson	94	
Doe	80	
	Smith Jackson	



- Use the CSS border property to define a border
- ❖ Use the CSS border-collapse property to collapse cell borders

```
<!DOCTYPE html>
<html>
<head>
<style>
table, th, td {
   border: 1px solid black;
}
</style>
</head>
</head>
<body>
<h2>Bordered Table</h2>
```

```
<!DOCTYPE html>
<html>
<head>
<style>
table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
}
</style>
</head>
<body>

<h2>Collapsed Borders</h2>
If you want the borders to collapse into one border, add the CSS border-collapse property.
```

Bordered Table

Use the CSS border property to add a border to the table.

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80

Collapsed Borders

If you want the borders to collapse into one border, add the CSS border-collapse property.

Firstname	Lastname	Age
lill	Smith	50
Eve	Jackson	94
John	Doe	80



- Use the CSS padding property to add padding to cells
- ❖ Use the CSS text-align property to align cell text
- ❖ Use the CSS border-spacing property to set the spacing between cells

```
<!DOCTYPE html>
<html>
<head>
<style>
table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
}
th, td {
    padding: 15px;
}
</style>
</head>
<body>
<h2>Cellpadding</h2>
Cell padding specifies the space between the cell content and its borders.
```

Cellpadding

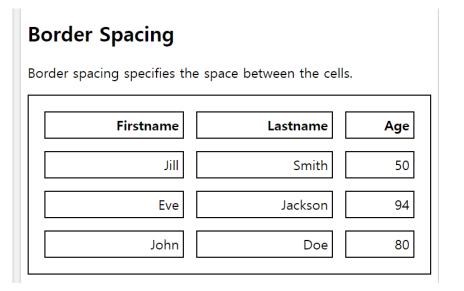
Cell padding specifies the space between the cell content and its borders.

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80



- Use the CSS padding property to add padding to cells
- ❖ Use the CSS text-align property to align cell text
- ❖ Use the CSS border-spacing property to set the spacing between cells

```
<!DOCTYPE html>
<html>
<head>
<style>
table, th, td {
   border: 1px solid black;
   padding: 5px;
   text-align: right;
}
table {
   border-spacing: 15px;
}
</style>
</head>
<body>
<h2>Border Spacing</h2>
PBorder spacing specifies the space between the cells.
```





- ❖ Use the HTML <caption> element to define a table caption
 - Note: The <caption> tag must be inserted immediately after the tag.
- ❖ Use the colspan attribute to make a cell span many columns
- ❖ Use the rowspan attribute to make a cell span many rows

```
<caption>Monthly savings</caption>
Month
 Savings
January
 $100
February
 $50
</body>
</html>
```

Table Caption

To add a caption to a table, use the caption tag.

Monthly savings

Month	Savings
January	\$100
February	\$50



- ❖ Use the HTML <caption> element to define a table caption
 - Note: The <caption> tag must be inserted immediately after the tag.
- ❖ Use the colspan attribute to make a cell span many columns
- Use the rowspan attribute to make a cell span many rows

Cell that spans two rows

To make a cell span more than one row, use the rowspan attribute.

Name:	Bill Gates
Talanhana	55577854
Telephone:	55577855

Cell that spans two columns

To make a cell span more than one column, use the colspan attribute.

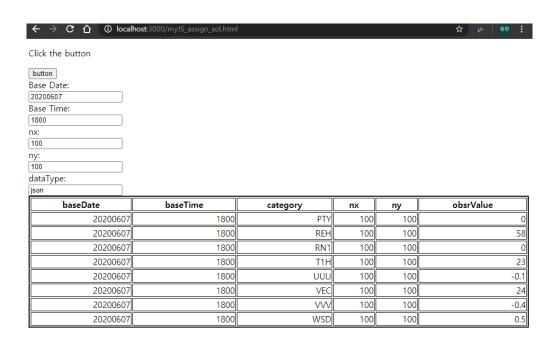
Name	Telephone		
Bill Gates	55577854	55577855	



Use OPEN-API with Parameters 실습

❖ 날씨 정보를 table로 출력

- Table heading: response item의 항목 명들
- Table data: response item별로 항목 값들
- STYLE
 - Table: 100% width, border (2px, solid, black)
 - Table heading: border (1px, solid, black), text center alignment
 - Table data: border (1px, solid, black), text right alignment





Use OPEN-API with Parameters 실습

❖동작

- 사용자가 각 항목 입력
- "Button" 버튼 클릭
 - Base_date이나 base_time 입력값의 문자열 길이가 data.go.kr의 매뉴얼 설명에 나온 항목크기보다 작을 경우, 해당 input element로 focus 이동하고, alert 창 표시 ("base_date length error", "base_time length error")

localhost:3000 내용: base_date lengh error

- 사용한 API 이름: 동네예보 조회서비스- [초단기실황조회]
- 아래의 표 출력
 - 그 외에 Servicekey, Base_date ,base_time 등을 테스트 시각에 맞춰 정상적으로 입력할 시 아래와 같은 결과 확인



JSOIT					
baseDate	baseTime	category	nx	ny	obsrValue
20200607	1800	PTY	100	100	0
20200607	1800	REH	100	100	58
20200607	1800	RN1	100	100	0
20200607	1800	T1H	100	100	23
20200607	1800	UUU	100	100	-0.1
20200607	1800	VEC	100	100	24
20200607	1800	VVV	100	100	-0.4
20200607	1800	WSD	100	100	0.5



확인

AJAX, JSON 실습 #2

❖ 동작 과정 개요

