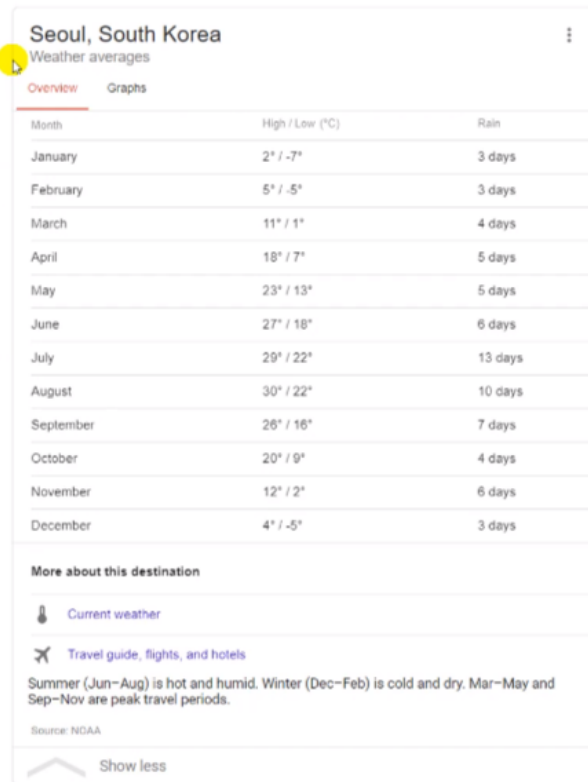


array : 유사한 것들이 나열된 것

배열을 사용하지 않았을 때 예제

```
/* Monthly high temperatures */
int January_high = 2;
int Febuary_high = 5;
int March_high = 11;
int April_high = 18;
int May_high = 23;
int June_high = 27;
int July_high = 29;
int August_high = 30;
int September_high = 26;
int October_high = 20;
int November_high = 12;
int December_high = 4;

/* Monthly low temperatures */
int January_low = -7;
int Febuary_low = -5;
int March_low = 1;
int April_low = 7;
int May_low = 13;
int June_low = 18;
int July_low = 22;
int August_low = 22;
int September_low = 16;
int October_low = 9;
int November_low = 2;
int December_low = -5;
```





Seoul, South Korea
Weather averages

Overview | Graphs

Month	High / Low (°C)	Rain
January	2° / -7°	3 days
February	5° / -5°	3 days
March	11° / 1°	4 days
April	18° / 7°	5 days
May	23° / 13°	5 days
June	27° / 18°	6 days
July	29° / 22°	13 days
August	30° / 22°	10 days
September	26° / 16°	7 days
October	20° / 9°	4 days
November	12° / 2°	6 days
December	4° / -5°	3 days


More about this destination

 [Current weather](#)

 [Travel guide, flights, and hotels](#)

Summer (Jun-Aug) is hot and humid. Winter (Dec-Feb) is cold and dry. Mar-May and Sep-Nov are peak travel periods.

Source: NOAA

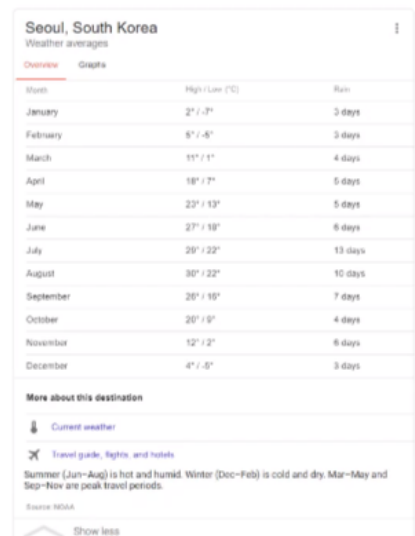
 Show less

배열을 사용할 때 예제

```
/* Monthly temperatures */
int high[12] = {2, 5, 11, 18, 23, 27, 29, 30, 26, 20, 12, 4};
int low[12] = {-7, -5, 1, 7, 13, 18, 22, 22, 16, 9, 2, -5};
```

```
for (int i = 0; i < 12; ++i)
    printf("%d, %d\n", high[i], low[i]);
```

Index (subscript)





Seoul, South Korea
Weather averages

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January	2° / -7°	3 days
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March	11° / 1°	4 days
April	18° / 7°	5 days
May	23° / 13°	5 days
June	27° / 18°	6 days
July	29° / 22°	13 days
August	30° / 22°	10 days
September	26° / 16°	7 days
October	20° / 9°	4 days
November	12° / 2°	6 days
December	4° / -5°	3 days


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Summer (Jun-Aug) is hot and humid. Winter (Dec-Feb) is cold and dry. Mar-May and Sep-Nov are peak travel periods.

Source: NOAA

 Show less

배열의 원리

```
//int arr[4] = { 2, 5, 11, 18 };
```

```
int arr[4];
```

```
arr[0] = 2;  
arr[1] = 5;  
arr[2] = 11;  
arr[3] = 18;
```

100	2
101	
102	
103	
104	5
105	
106	
107	
108	11
109	
110	
111	
112	18
113	
114	
115	



```
int arr[4] = { 2, 5, 11, 18 };
```

```
arr = &arr[0]
```

```
&arr[1]
```

```
&arr[2]
```

```
&arr[3]
```

100	2
101	
102	
103	
104	5
105	
106	
107	
108	11
109	
110	
111	
112	18
113	
114	
115	

&arr[0]는 &(arr[0])와 같아요!
왜 그럴까요?



```
int arr[4] = { 2, 5, 11, 18 };
```

첫번째 주소(arr)를 뺐어요

```
arr = &arr[0]
```

```
&arr[1]
```

```
&arr[2]
```

```
&arr[3]
```

0	2
1	
2	
3	5
4	
5	
6	11
7	
8	
9	18
10	
11	
12	
13	
14	
15	

&arr[0]는 &(arr[0])와 같아요!
왜 그럴까요?

```
int arr[4] = { 2, 5, 11, 18 };
```

sizeof(int)로 나누었어요

```
arr = &arr[0]
```

```
&arr[1]
```

```
&arr[2]
```

```
&arr[3]
```

0	2
0	
0	
0	5
1	
1	
1	11
2	
2	
2	18
3	
3	
3	

&arr[0]는 &(arr[0])와 같아요!
왜 그럴까요?

'[]' 안의 숫자는 첫 번째 주소에서의 거리