



4. HTML5 Tag - Link

HyperText Markup Language

“ Hyper ”

→ 텍스트 등의 정보가 동일 선상에 있는 것이 아니라 다중으로 연결되어 있는 상태

“ Hyper Link ”

→ link의 개념

→ 한 텍스트에서 다른 텍스트로 건너뛰어 읽을 수 있는 기능 :

하이퍼링크

1. href 어트리뷰트

이동하고자 하는 파일의 위치(경로)를 받음

1) 디렉터리(Directory)

- 루트 디렉터리 : 파일 시스템 구조 상의 최상위 디렉터리
 - Unix : /
 - windows : C:\
- 홈 디렉터리 : 시스템의 사용자에게 할당된 개별 디렉터리
 - Unix : /Users/{계정명}
 - windows : C:\Users\{계정명}
- 작업 디렉터리 : ./
- 부모 디렉터리 : ../

2) 파일 경로(File path)

- 절대경로 : 루트 디렉터리 기준 파일 위치
- 상대경로 : 현재 작업 디렉터리 기준 파일 위치

< href 어트리뷰트에 사용 가능한 값 >

1) 절대 URL - 웹사이트 URL

2) 상대 URL - 자신의 위치를 기준으로 한 대상 URL

1. 절대 URL

```
<a href="http://www.google.com">URL</a><br>
```

2. 절대 URL

```
<a href="html/my.html">Local file</a><br>
```

3) fragment identifier - 페이지 내의 특정 id를 갖는 요소에의 링크 (href="#top")

아래 코드를 실습해보면 어떤 역할을 하는 어트리뷰트인지 이해해보실 수 있을거예요!

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <!-- 웹페이지의 저자 명시 -->
    <meta name="author" content="wooju" />
    <!-- 웹페이지의 설명을 정의 -->
    <meta name="description" content="Web study: HTML" />
    <!-- SEO(검색엔진 최적화)를 위해 검색엔진이 사용할 keywords을 정의 -->
    <meta name="keywords" content="HTML, CSS, JavaScript, REACT" />
    <title>웹 프론트엔드: React_이우주</title>
  </head>
  <body>
    <h2 id="top">Top of page!</h2>

    <p>
      In my younger and more vulnerable years my father gave me some advice that
      I've been turning over in my mind ever since.
    </p>
    <p>
      "Whenever you feel like criticizing any one," he told me, "just remember
      that all the people in this world haven't had the advantages that you've
      had."
    </p>
    <p>
      He didn't say any more, but we've always been unusually communicative in a
      reserved way, and I understood that he meant a great deal more than that.
      In consequence, I'm inclined to reserve all judgments, a habit that has
      opened up many curious natures to me and also made me the victim of not a
      few veteran bores. The abnormal mind is quick to detect and attach itself
      to this quality when it appears in a normal person, and so it came about
      that in college I was unjustly accused of being a politician, because I
      was privy to the secret griefs of wild, unknown men. Most of the
      confidences were unsought-frequently I have feigned sleep, preoccupation,
      or a hostile levity when I realized by some unmistakable sign that an
      intimate revelation was quivering on the horizon; for the intimate
      revelations of young men, or at least the terms in which they express
      them, are usually plagiaristic and marred by obvious suppressions.
      Reserving judgments is a matter of infinite hope. I am still a little
      afraid of missing something if I forget that, as my father snobbishly
      suggested, and I snobbishly repeat, a sense of the fundamental decencies
      is parcelled out unequally at birth.
    </p>
    <p>
      And, after boasting this way of my tolerance, I come to the admission that
      it has a limit. Conduct may be founded on the hard rock or the wet
      marshes, but after a certain point I don't care what it's founded on. When
      I came back from the East last autumn I felt that I wanted the world to be
      in uniform and at a sort of moral attention forever; I wanted no more
      riotous excursions with privileged glimpses into the human heart. Only
      Gatsby, the man who gives his name to this book, was exempt from my
      reaction-Gatsby, who represented everything for which I have an unaffected
      scorn. If personality is an unbroken series of successful gestures, then
      there was something gorgeous about him, some heightened sensitivity to the
      promises of life, as if he were related to one of those intricate machines
      that register earthquakes ten thousand miles away. This responsiveness had
      nothing to do with that flabby impressionability which is dignified under

```

the name of the "creative temperament"-it was an extraordinary gift for hope, a romantic readiness such as I have never found in any other person and which it is not likely I shall ever find again. No-Gatsby turned out all right at the end; it is what preyed on Gatsby, what foul dust floated in the wake of his dreams that temporarily closed out my interest in the abortive sorrows and short-winded elations of men.

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"Whenever you feel like criticizing any one," he told me, "just remember that all the people in this world haven't had the advantages that you've had."

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He didn't say any more, but we've always been unusually communicative in a reserved way, and I understood that he meant a great deal more than that. In consequence, I'm inclined to reserve all judgments, a habit that has opened up many curious natures to me and also made me the victim of not a few veteran bores. The abnormal mind is quick to detect and attach itself to this quality when it appears in a normal person, and so it came about that in college I was unjustly accused of being a politician, because I was privy to the secret griefs of wild, unknown men. Most of the confidences were unsought-frequently I have feigned sleep, preoccupation, or a hostile levity when I realized by some unmistakable sign that an intimate revelation was quivering on the horizon; for the intimate revelations of young men, or at least the terms in which they express them, are usually plagiaristic and marred by obvious suppressions. Reserving judgments is a matter of infinite hope. I am still a little afraid of missing something if I forget that, as my father snobbishly suggested, and I snobbishly repeat, a sense of the fundamental decencies is parcelled out unequally at birth.

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And, after boasting this way of my tolerance, I come to the admission that it has a limit. Conduct may be founded on the hard rock or the wet marshes, but after a certain point I don't care what it's founded on. When I came back from the East last autumn I felt that I wanted the world to be in uniform and at a sort of moral attention forever; I wanted no more riotous excursions with privileged glimpses into the human heart. Only Gatsby, the man who gives his name to this book, was exempt from my reaction-Gatsby, who represented everything for which I have an unaffected scorn. If personality is an unbroken series of successful gestures, then there was something gorgeous about him, some heightened sensitivity to the promises of life, as if he were related to one of those intricate machines that register earthquakes ten thousand miles away. This responsiveness had nothing to do with that flabby impressionability which is dignified under the name of the "creative temperament"-it was an extraordinary gift for hope, a romantic readiness such as I have never found in any other person and which it is not likely I shall ever find again. No-Gatsby turned out all right at the end; it is what preyed on Gatsby, what foul dust floated in the wake of his dreams that temporarily closed out my interest in the abortive sorrows and short-winded elations of men.

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</p>

<a href="#top">Go to top</a>
</body>
</html>

```

4) 메일 - mailto:

5) script - href="javascript:alert('Hello');"

4. 메일

```
<a href="mailto:someone@example.com?Subject=Hello again">Send Mail</a><br>
```

5. 자바스크립트 동작

```
<a href="javascript:alert('Hello');">Javascript</a>
```

2. target 어트리뷰트

target 어트리뷰트는 링크를 클릭했을 때 윈도우를 어떻게 오픈할지 정한다

target = "_self"


target = "_blank"

1. _self

```
<a href="http://www.google.com" target="_blank">Visit google.com!</a>
```

2. _blank

```
<a href="http://www.google.com" target="_blank">Visit google.com!</a>
```

 **target="_blank"** 를 사용해 외부 페이지를 오픈하는 경우, 이동한 외부 페이지에서 자바스크립트 코드를 사용해 악의적인 페이지로 리다이렉트할 수 있는 보안 취약점(Tabnabbing 피싱 공격)이 있습니다.

따라서

rel="noopener noreferrer" 를 추가해 Tabnabbing 피싱 공격에 대비할 것을 권장합니다.

참고로 noopener 속성은 성능 상 이점도 있는 것으로 알려져 있습니다.

[관련 참고 문서]

Tabnabbing 공격과 rel=noopener 속성

https://blog.coderifleman.com/2017/05/30/tabnabbing_attack_and_noopener/

Tabnabbing 공격 방어 대책 정리

<https://medium.com/@youngminhong/tabnabbing-공격-방어-대책-정리-9276ebf63f94>