

파이썬 웹 크롤링

강사장철원

□ 동적 크롤링 활용해서 해외 축구 데이터 크롤링하기

파이썬 웹 크롤링

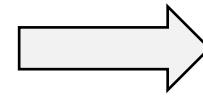
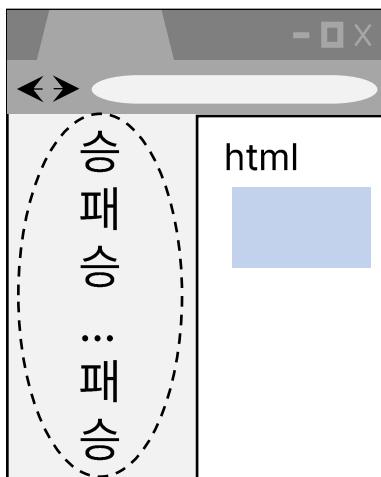
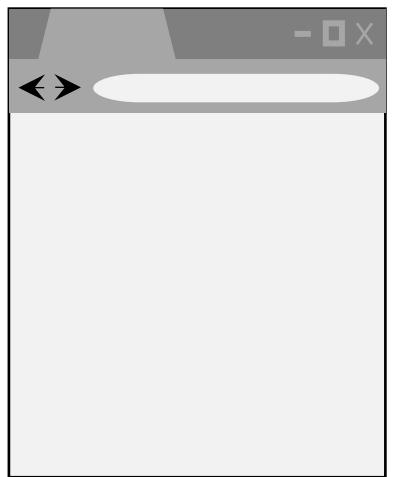
Section 1. 해외 축구 데이터 크롤링

Section 1-1. 크롤링 웹사이트 확인

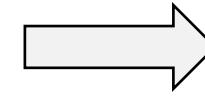
Section

크롤링 웹사이트 확인

크롤링 개요



승
패
승
...
패
승



최근 10경기 기록

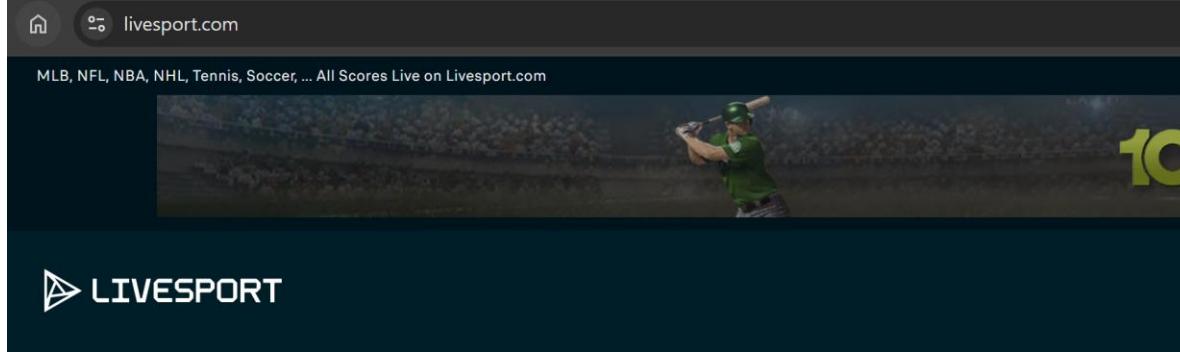
7승	3패
----	----

Section

크롤링 웹사이트 확인

해외 스포츠 기록 사이트 확인

<https://www.livesport.com/>



스크롤을 내려서 SOCCER 메뉴의 Serie A 확인

The page has scrolled down to the 'SOCCER' section. It shows a list of games for Serie A, with the first two listed as 'Final': Genoa vs. Como. Below this, there are links to 'More games from HOCKEY (80)' and 'More games from SOCCER (211)'. Further down, there are sections for 'GOLF' and 'LPGA TOUR: Lotte Championship (USA) Round 2'.

경기	팀	상대팀	결과
Final	Genoa	Como	1 - 1

Section

크롤링 웹사이트 확인

해외 스포츠 기록 사이트 확인

<https://www.livesport.com/>



Advertisement

OVERALL		HOME	AWAY							
# ▲	TEAM	GP	W	T	L	G	GD	PTS	FORM	
1.	Napoli	11	8	1	2	18:8	10	25	? L W W W W	
2.	Inter	11	7	3	1	25:13	12	24	? W W T W W	
3.	Atalanta	11	7	1	3	29:14	15	22	? W W W W W	
4.	Fiorentina	11	6	4	1	22:9	13	22	? W W W W W	
5.	Lazio	11	7	1	3	24:14	10	22	? W W W L W	
6.	Juventus	11	5	6	0	19:7	12	21	? W T T W T	
7.	AC Milan	10	5	2	3	17:11	6	17	? W L W L W	
8.	Udinese	11	5	1	5	14:16	-2	16	? L L W L W	
9.	Bologna	10	3	6	1	12:11	1	15	? W W T T T	
10.	Torino	11	4	2	5	15:16	-1	14	? L L W L L	

Section

크롤링 웹사이트 확인

해외 스포츠 기록 사이트 확인

livesport.com/team/ac-milan/8Sa8HInO/

LIVESPORT

FAVORITES 0 | TOP SCORES 22 | SOCCER 211 | BASKETBALL 199 | TENNIS 265 | HOCKEY 80

ITALY

1XBET 첫 입금 시 100% 보너스 최대 13만원!

지급 받기

Serie A | Serie B | Serie C - Group A | Serie C - Group B | Serie C - Group C | Serie C - Promotion - Play Offs | Serie C - Play Out | Serie D - Group A | Serie D - Group B | Serie D - Group C | Show more (21) ▾

SUMMARY | NEWS | RESULTS | FIXTURES | STANDINGS | TRANSFERS | SQUAD

The latest news

REVEALED: Real Madrid teammates frustrated with Mbappe | France coach Deschamps explains omitting Real Madrid striker | Struggling captain Mbappe once again left out of France squad

Bitcoin.game

Antigua & Barbuda

Argentina

Armenia

Aruba

Australia

Austria



Azerbaijan

Bahrain

Bangladesh

Barbados

Belarus

Belgium

Benin

Bermuda

Bhutan

Bolivia

Bosnia and Herzegovina

Latest Scores

EUROPE: Champions League - League phase

Nov 06 | Real Madrid 1 | AC Milan 3

ITALY: Serie A

Nov 03 | Monza 0 | AC Milan 1

Oct 30 | AC Milan 0 | Napoli 2

EUROPE: Champions League - League phase

Oct 23 | AC Milan 3 | Club Brugge KV 1

ITALY: Serie A

Oct 20 | AC Milan 1 | Udinese 0

Oct 07 | Fiorentina 2 | AC Milan 1

EUROPE: Champions League - League phase

Oct 02 | Bayer Leverkusen 1 | AC Milan 0

ITALY: Serie A

Sep 28 | AC Milan 3 | Lecce 0

Sep 23 | Inter 1 | AC Milan 2

EUROPE: Champions League - League phase

Sep 18 | AC Milan 1 | Liverpool 3

Standings

Standings

Standings

Standings

Standings

Standings

Standings

Standings

Standings

Section

크롤링 웹사이트 확인

해외 스포츠 기록 사이트 확인

<https://www.livesport.com/>

The screenshot shows a portion of a web page from [livesport.com](https://www.livesport.com/). The page displays a live match between AC Milan and Bologna, and a historical match between AC Milan and Bologna. The historical match is highlighted with a green 'W' badge. A red arrow points from the green 'W' badge to the corresponding HTML element in the DevTools Elements tab.

Match Results:

Date	Team 1	Score	Team 2	Status
May 15 04:00 AM	AC Milan	0	Bologna	L
May 10 03:45 AM	AC Milan	3	Bologna	W
May 06 03:45 AM	Genoa	1	AC Milan	W
Apr 27 07:30 PM	Venezia	0	AC Milan	W
Apr 24 04:00 AM	Inter	0	AC Milan	W
Apr 21 03:45 AM	AC Milan	0	Atalanta	L
Apr 19 03:45 AM	Udinese	0	Udinese	L

DevTools Elements Tab:

```
<span class="wcl-matchRowScore_jcvjd wcl-isFinal_Am7cC event__score event__score--home" data-testid="wcl-matchRowScore" data-state="final" data-highlighted="false" data-side="1">3</span>
<span class="wcl-matchRowScore_jcvjd wcl-isFinal_Am7cC event__score event__score--away" data-testid="wcl-matchRowScore" data-state="final" data-highlighted="false" data-side="2">1</span>
<button class="wcl-badgeform_yFgjV wcl-win_9cMNW wcl-clickable_BbSlo formIcon__lastMatches" title="Win" data-testid="wcl-badgeForm-win">
  <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">W</span>
</button>
```

해외 스포츠 기록 사이트 확인

<https://www.livesport.com/>

```
▼<button class="wcl-badgeform_yYFgV wcl-win_9cMNW wcl-clickable_BbS1o  
formIcon__lastMatches" title="Win" data-testid="wcl-badgeForm-win">  
  flex  
    <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk"  
      data-testid="wcl-scores-simpleText-01">W</span> == $0  
  </button>  
</div>
```

span 태그 사용 및
wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk
클래스 사용 확인

Section

크롤링 웹사이트 확인

해외 스포츠 기록 사이트 확인

<https://www.livesport.com/>

```
[1]: from urllib.request import urlopen  
      from bs4 import BeautifulSoup
```

```
[2]: url = "https://www.livesport.com/team/ac-milan/8Sa8HIn0/"  
      html = urlopen(url)  
      bs_obj01 = BeautifulSoup(html, "html.parser")  
      win01 = bs_obj01.find_all("span", {"class": "wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk"})
```

```
[3]: print(win01)
```

[] 아무것도 안나온다?

Section

크롤링웹사이트확인

해외 스포츠 기록 사이트 확인

<https://www.livesport.com/>

[4]: print(bs_obj01)

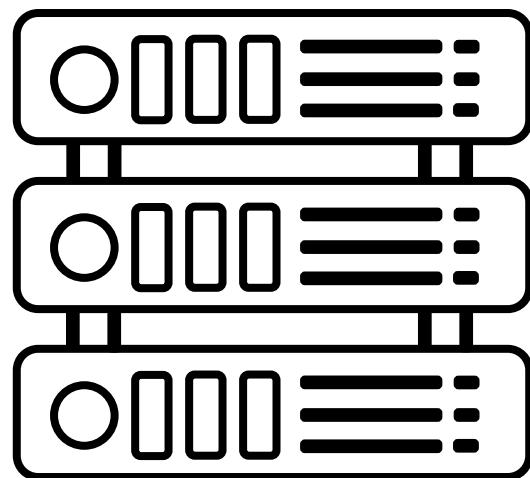
bs_obj01은 잘 나오는거 같은데?

```
<!DOCTYPE html>

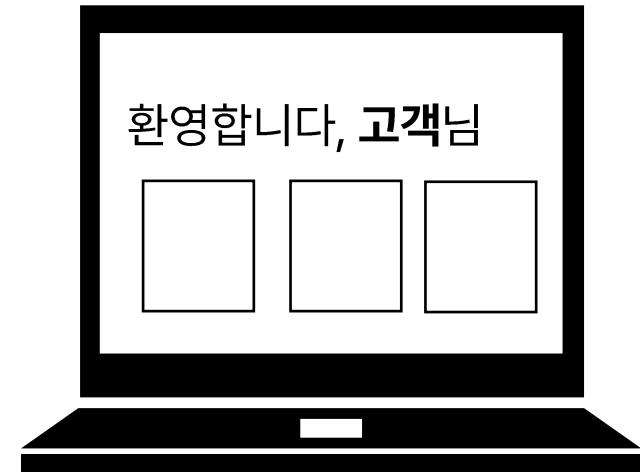
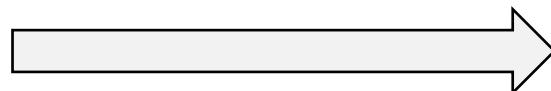
<html lang="en-US">
<head>
<meta charset="utf-8"/>
<title>Livesport: AC Milan - results, fixtures, Liverpool - AC Milan live</title>
<script charset="UTF-8" data-document-language="true" data-domain-script="be4cd6ae-414e-4784-a9f8-29c9eb574714" defer="" src="https://cdn.cookielaw.org/scripts/templates/otSDKStub.js" type="text/javascript">
</script>
<link crossorigin="" href="https://500.ds.lsapp.eu/pq_graphql" rel="preconnect"/>
<link crossorigin="" href="https://500.flashscore.ninja" rel="preconnect"/>
<link as="font" crossorigin="" href="https://static.flashscore.com/res/font/LivesportFinderLatin-Regular_Static.woff2" rel="preload" type="font/woff2"/>
<link as="font" crossorigin="" href="https://static.flashscore.com/res/font/LivesportFinderLatin-Bold_Static.woff2" rel="preload" type="font/woff2"/>
<noscript>
<meta content="0;url=https://www.flashscore.mobi/" http-equiv="refresh">
</meta></noscript>
<meta content="AC Milan scores and fixtures - follow AC Milan livescore, results, fixtures and match details on Livesport.com." name="description"/>
<meta content="Copyright (c) 2012-2025 Livesport s.r.o." name="copyright"/>
<meta content="index,follow" name="robots">
<meta content="width=device-width, initial-scale=1" name="viewport"/>
```

wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk 클래스 검색하면 안나옴

정적 페이지 vs 동적 페이지

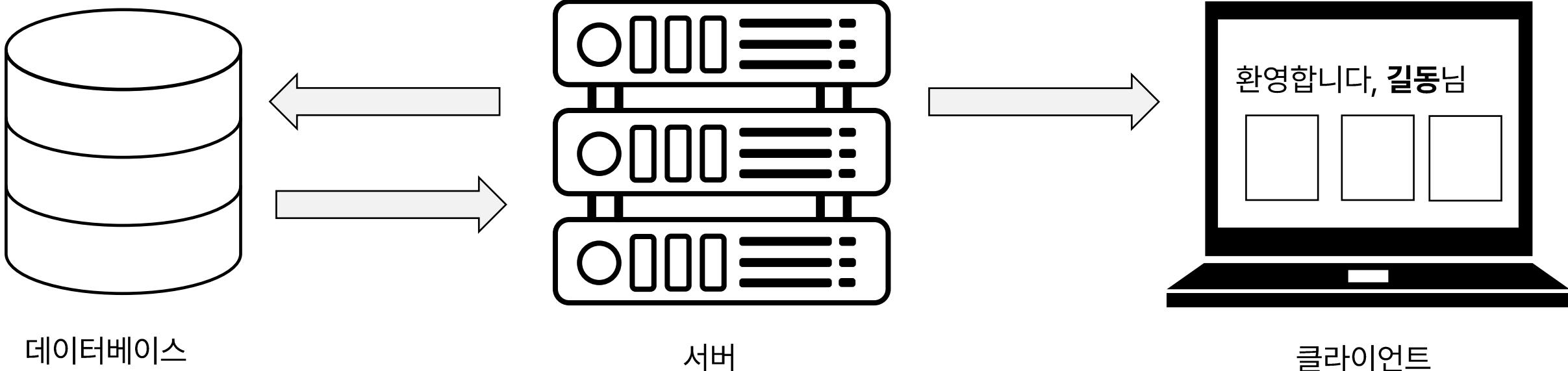


서버



클라이언트

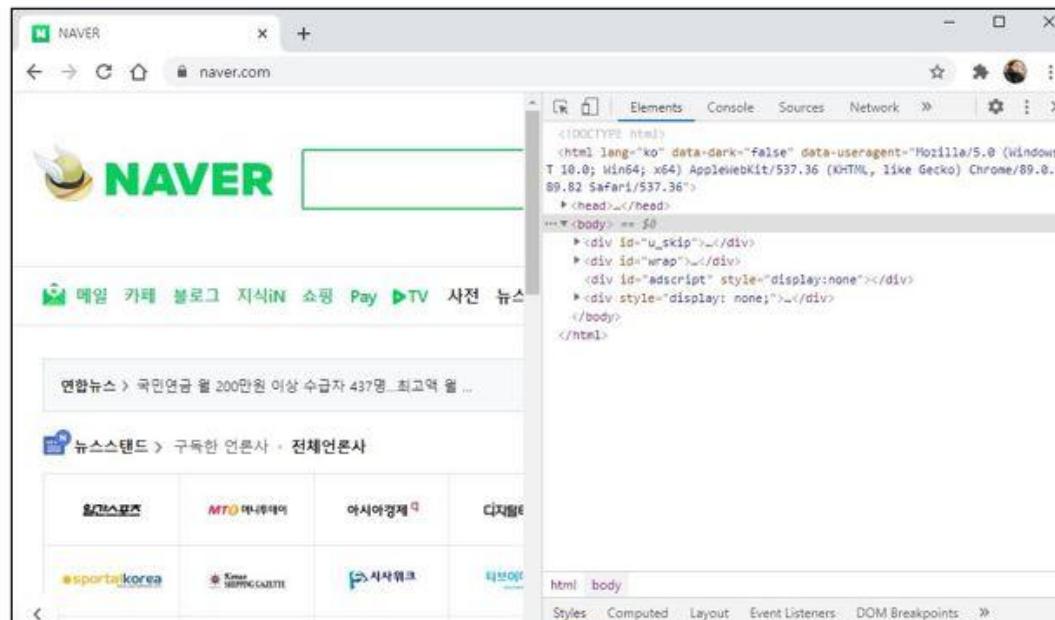
정적 페이지 vs 동적 페이지



개발자 도구 vs 페이지 소스

개발자 도구 - 웹 서버에서 전달 받은 이후 가공한 후의 최종적으로 브라우저가 그린 결과물

페이지 소스 보기 - 웹 서버에서 최초로 전달 받은 내용이 그대로 나타남. BeautifulSoup을 이용해 파싱할 때는 페이지 소스를 파싱하므로 가공 이후의 내용은 표시되지 않음(자바스크립트 실행되기 이전 원본 HTML)



개발자 도구

This screenshot shows the browser window displaying the raw HTML source code of the Naver homepage. The title of the window is 'view-source:https://www.naver.com'. The page content is entirely composed of the raw HTML code sent from the server, including all scripts, styles, and data. This is in contrast to the developer tools view, which shows the final rendered state of the page.

```

<!DOCTYPE html>
<html lang="ko" data-dark="false" data-useragent="Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.82 Safari/537.36">
  <head></head>
  <body> ...
    <div id="u_skip"></div>
    <div id="wrap"></div>
    <div id="adscript" style="display:none"></div>
    <div style="display: none;"></div>
  </body>
</html>

```

```

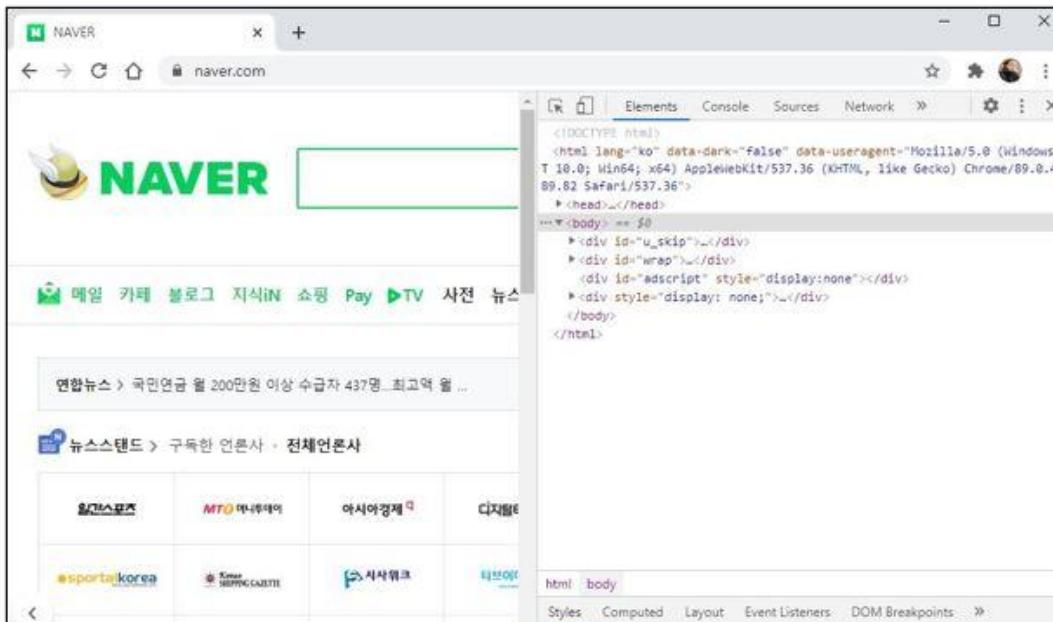
<html lang="ko" data-dark="false"> <head> <meta charset="utf-8"> <title>NAVER</title> <meta http-equiv="X-UA-Compatible" content="IE=edge"> <meta name="viewport" content="width=1190"> <meta name="apple-mobile-web-app-title" content="NAVER"/> <meta name="robots" content="index, nofollow"/> <meta name="description" content="네이버 메인에서 다양한 정보와 유용한 컨텐츠를 만나 보세요!"/> <meta property="og:title" content="네이버"> <meta property="og:url" content="https://www.naver.com"/> <meta property="og:image" content="https://s.pstatic.net/static/www/mobile/edit/2016/0705/mobile_212852414260.png"> <meta property="og:description" content="네이버 메인에서 다양한 정보와 유용한 컨텐츠를 만나 보세요!"/> <meta name="twitter:card" content="summary"> <meta name="twitter:title" content=""> <meta name="twitter:url" content="https://www.naver.com"/> <meta name="twitter:image" content="https://s.pstatic.net/static/www/mobile/edit/2016/0705/mobile_212852414260.png"> <meta name="twitter:description" content="네이버 메인에서 다양한 정보와 유용한 컨텐츠를 만나 보세요!"/> <link rel="stylesheet" href="https://pn.pstatic.net/dist/css/main_20210224.css"> <link rel="stylesheet" href="https://ssl.pstatic.net/static/search/pc/css/sp_autocomplete_201028.css"> <link rel="shortcut icon" type="image/x-icon" href="/favicon.ico?1"/> <script>document.domain='naver.com';window.nmain=window.nmain||{};window.nmain.supportFlicking=!!navigator.userAgent.version;nsc=navigator.userAgent;ua=navigator.userAgent;window.nmain.isIE=navigator.appName&&navigator.appName.indexOf('Explorer')>0&&ua.toLocaleLowerCase().indexOf('msie 10.0')<0;document.getElementsByTagName('html')[0].setAttribute("data-useragent",ua);window.nmain.isIE&&(Object.create=function(n){function a(){return a.prototype=new a()}}).create(a);<script>var darkmode=false;window.naver.corp_da=window.naver.corp_da||{main:{}},window.naver.corp_da.main=window.naver.corp_da.main||{},window.naver.corp_da.main.darkmode=darkmode</script> <script>window.nmain.gv={ isLogin: false, usedId: null, daInfo: { "ANIMAL": { "menu": "ANIMAL", "childMenu": "", "adType": "singleDom", "multiDomAdUrl": "", "multiDomUnit": "", "infoList": [ { "adposId": "1000161", "singleDomAdUrl": "https://siape.veta.naver.com/fxshow", "param": { "da_dom_id": "p_main_animal_1", "tb": "ANIMAL_1", "unit": "SUI0567", "calp": "-"}, "type": { "position": "abs", "positionIndex": 2, "subject": "contents", "dom": null }, { "adposId": "1000162", "singleDomAdUrl": "https://siape.veta.naver.com/fxshow", "param": { "da_dom_id": "p_main_animal_2", "tb": "ANIMAL_1", "unit": "SUI0568", "calp": "-"}, "type": { "position": "abs", "positionIndex": 3, "subject": "contents", "dom": null } } ] } } }</script>

```

페이지 소스

개발자 도구 vs 페이지 소스

개발자 도구



페이지 소스

```

<!DOCTYPE html> <html lang="ko" data-dark="false" data-useragent="Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/89.0.4389.82 Safari/537.36">
<head></head>
<body> ...</body>

```

The screenshot shows a browser window titled 'view-source:https://www.naver.com' displaying the raw HTML source code of the Naver homepage. The code includes meta tags, script blocks, and the main content of the page. The browser interface shows the source code in a monospaced font with line numbers on the left.

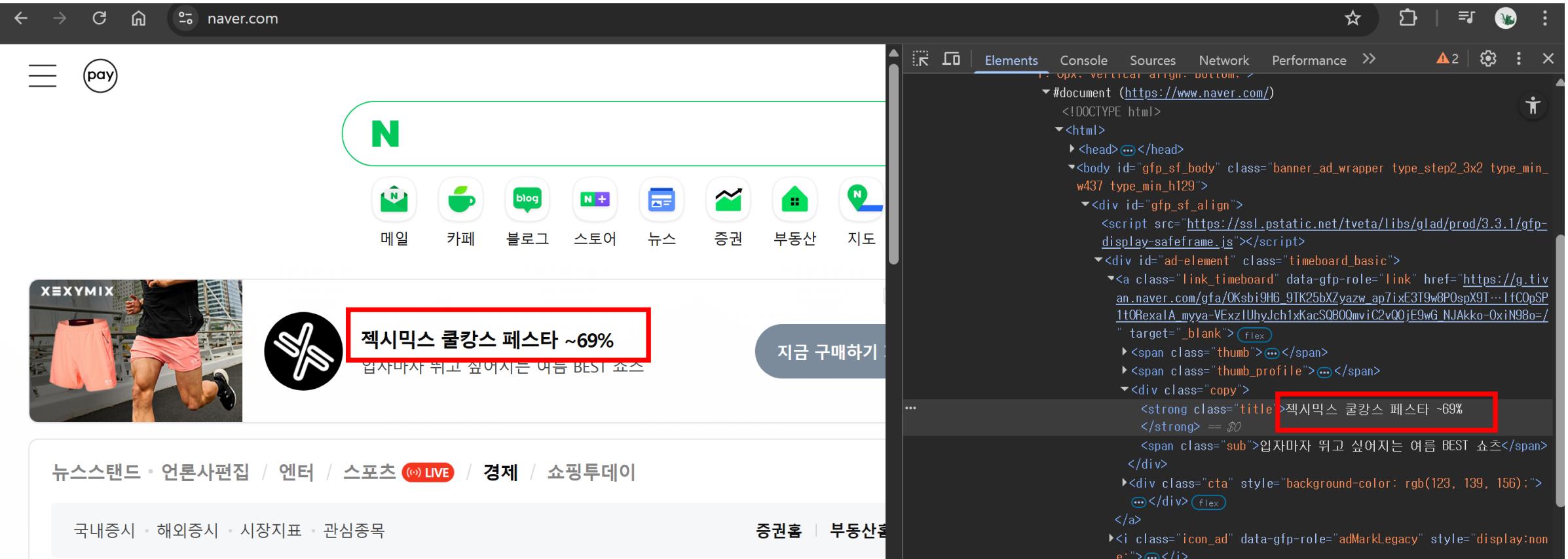
웹 브라우저가 문서를 읽고,
자바스크립트도 실행해서 화면에 보여준 최종 상태

원본 스크립트만 존재

Section

크롤링 웹사이트 확인

개발자 도구 - 키워드 나옴



The screenshot shows the Naver homepage with developer tools (Elements) open in the browser. The Elements tab displays the HTML structure of the page, specifically focusing on a promotional banner for '젝시믹스 쿨캉스 페스타 ~69%'. This text is highlighted with a red box both on the page and in the browser's code view.

```
<strong class="title">젝시믹스 쿨캉스 페스타 ~69%</strong>
```

Section

크롤링 웹사이트 확인

페이지 소스 - 키워드 안나옴

```
자동 줄바꿈  제시맥스 0/0 Report  
1 <!doctype html> <html lang="ko" class="fzoom"> <head> <meta charset="utf-8" > <meta name="Referrer" content="origin" > <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" /> <meta name="viewport" content="width=1190" /> <title>NAVER</title> <meta name="apple-mobile-web-app-title" content="NAVER" /> <meta name="robots" content="index, follow" /> <meta name="description" content="네이버 메인에서 다양한 정보와 유용한 컨텐츠를 만나 보세요!" /> <meta property="og:title" content="네이버" /> <meta property="og:url" content="https://www.naver.com/" /> <meta property="og:image" content="https://s.pstatic.net/static/www/mobile/edit/2016/0705/mobile_212852414260.png" /> <meta property="og:description" content="네이버 메인에서 다양한 정보와 유용한 컨텐츠를 만나 보세요!" /> <meta name="twitter:card" content="summary" /> <meta name="twitter:title" content="" /> <meta name="twitter:url" content="https://www.naver.com/" /> <meta name="twitter:image" content="https://s.pstatic.net/static/www/mobile/edit/2016/0705/mobile_212852414260.png" /> <meta name="twitter:description" content="네이버 메인에서 다양한 정보와 유용한 컨텐츠를 만나 보세요!" /> <meta name="google-site-verification" content="uru5NJKa1Bfr5nv5AdQ26Qat7UrPU_02I-P1ZRLzI-g" /> <link rel="shortcut icon" type="image/x-icon" href="/favicon.ico?1" /> <link rel="apple-touch-icon-precomposed" href="https://s.pstatic.net/static/www/nFavicon96.png" /> <link rel="apple-touch-icon" sizes="114x114" href="https://s.pstatic.net/static/www/u/2014/0328/mma_204243574.png" /> <link rel="apple-touch-icon" href="https://s.pstatic.net/static/www/u/2014/0328/mma_20432863.png" /> <link rel="stylesheet" href="https://ssl.pstatic.net/sstatic/search/pc/css/sp_autocomplete_241121.css" /> <link rel="canonical" href="https://www.naver.com/" /> <link rel="alternate" media="only screen and (max-width: 767px)" href="https://m.naver.com/" /> <script>window.gladSdk=window.gladSdk||{},window.gladSdk.cmd=window.gladSdk.cmd||[],window.ndpsdk=window.ndpsdk||{},window.ndpsdk.cmd=window.ndpsdk.cmd||[],window.ndpsdk.polyfill=window.ndpsdk.polyfill||{}[cmd:[]];var g_ssc="naver top v5";window.nsc=g_ssc,window.nmain=window.nmain||{},window.nmain.jsOrigin="www"</script> <script>window.ntm=window.ntm||[]</script> <script async src="https://ssl.pstatic.net/tveta/libs/ndpsdk/prod/ndp-loader.js"></script> <script async src="https://ssl.pstatic.net/tveta/libs/glad/prod/gfp-core.js"></script> <script src="https://ssl.pstatic.net/tveta/libs/assets/js/pc/main/min/pc_veta.core.min.js" defer="defer"></script> <script>window["FACER_DATA"] = window["FACER_DATA"] || {};
```

Section

크롤링 웹사이트 확인

해외 스포츠 기록 사이트 확인

<https://www.livesport.com/>

- [5]: `from selenium import webdriver` webdriver: 브라우저를 제어하기 위한 다양한 도구를 포함하고 있는 모듈
- []: `#options = webdriver.ChromeOptions()` 크롬 브라우저 설정 변경을 위한 객체 생성
`#options.add_argument("--headless")` headless 옵션: 브라우저 창이 열리지 않고 백그라운드에서 실행하는 모드
- [6]: `driver = webdriver.Chrome()` 크롬 브라우저 제어를 위한 객체 생성
- [7]: `driver.implicitly_wait(3)` 웹 페이지가 로딩될때까지 기다리는 시간, 단위는 초(second)
- [8]: `driver.get("https://www.livesport.com/team/ac-milan/8Sa8HIn0/")` 해당 웹 페이지로 이동

해외 스포츠 기록 사이트 확인

<https://www.livesport.com/>

```
[9]: from bs4 import BeautifulSoup
```

```
[10]: page = driver.page_source 현재 브라우저에서 로드된 전체 HTML 소스 코드 반환
```

```
[11]: bs_obj = BeautifulSoup(page, "html.parser")
      print(bs_obj)
```

```
<html lang="en-US"><head>
<meta charset="utf-8"/>
<title>Livesport: AC Milan - results, fixtures, Liverpool - AC Milan live</title>
<script async="" src="https://www.googletagmanager.com/gtag/destination?id=AW-999393459&ai1509157~103116026~103200004~103233427~104684208~104684211" type="text/javascript"></script>
<script src="https://www.googletagmanager.com/web-vitals.iife.js" type="text/javascript"></script><script async="" src="https://www.googletagmanager.com/gtm.js?id=GTM-PWJ3NQ"></script><script charset="UTF-8" data-document-lb574714" defer="" src="https://cdn.cookielaw.org/scripttemplates/otSDKStub.js" type="text/javascript"></script>
<link crossorigin="" href="https://500.ds.lsapp.eu/pq_graphql" rel="preconnect"/>
```

해외 스포츠 기록 사이트 확인

<https://www.livesport.com/>

```
[12]: win = bs_obj.find_all("span", {"class": "wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk"})
```

```
[13]: print(win)
```

```
[<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Bracket</span>, <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Standings</span>, <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Standings</span>, <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">W</span>, <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">L</span>, <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Standings</span>, <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Standings</span>, <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">W</span>, <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Bracket</span>, <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">W</span>, <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Standings</span>, <span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">W</span>]
```

```
[14]: len(win)
```

```
[14]: 19
```

Section

크롤링 웹사이트 확인

해외 스포츠 기록 사이트 확인

<https://www.livesport.com/>

```
for i in range(0, len(win)):  
    print(win[i])
```

```
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01"></span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Bracket</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Standings</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01"></span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">L</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Standings</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">W</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">L</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Bracket</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">L</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Standings</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">W</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">W</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">W</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Bracket</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">W</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">Standings</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">L</span>  
<span class="wcl-simpleText_Asp-0 wcl-scores-simpleText-01_pV2Wk" data-testid="wcl-scores-simpleText-01">W</span>
```

```
for i in range(0, len(win)):  
    print(win[i].text)
```

Bracket
Standings

L
Standings

W
L

Bracket
L

Standings
W

W
W

Bracket
W

Standings
L
W

Section

크롤링 웹사이트 확인

해외 스포츠 기록 사이트 확인

```
[17]: result = {'win':0, 'draw':0, 'lose':0}
```

```
[18]: keys = list(result.keys())
print(keys)
```

```
['win', 'draw', 'lose']
```

<https://www.livesport.com/>

```
[19]: for i in range(0, len(win)):
    if win[i].text == 'W':
        result['win'] += 1
    elif win[i].text == 'D':
        result['draw'] += 1
    elif win[i].text == 'L':
        result['lose'] += 1
print(result)
```

```
{'win': 0, 'draw': 0, 'lose': 0}
{'win': 0, 'draw': 0, 'lose': 1}
{'win': 0, 'draw': 0, 'lose': 2}
{'win': 0, 'draw': 0, 'lose': 3}
{'win': 0, 'draw': 0, 'lose': 4}
```

```
[20]: print(result)

{'win': 6, 'draw': 0, 'lose': 4}
```

감사합니다.

Q & A