

```
[1] import requests
import bs4
from bs4 import BeautifulSoup
url = 'https://api.github.com/'
response = requests.get(url)
response.text

Python

... '{\n  "current_user_url": "https://api.github.com/user",\n  "current_user_authorizations_html_url": "https://github.com/settings/connections/applications{/client_id}/authorizations",\n  "current_user_authenticated": true,\n  "two_factor_authentication": false,\n  "avatar_url": "https://avatars.githubusercontent.com/u/123456789?v=4",\n  "html_url": "https://github.com/123456789",\n  "login": "123456789",\n  "name": "123456789",\n  "email": null,\n  "company": null,\n  "blog": null,\n  "location": null,\n  "hireable": null,\n  "is_verified": null,\n  "public_repos": 1,\n  "public_gists": 0,\n  "followers": 0,\n  "following": 0,\n  "subscriptions": 0,\n  "organizations": 0,\n  "repos_url": "https://api.github.com/user/repos",\n  "gists_url": "https://api.github.com/user/gists",\n  "subscriptions_url": "https://api.github.com/user/subscriptions",\n  "organizations_url": "https://api.github.com/user/orgs",\n  "received_events_url": "https://api.github.com/user/received_events",\n  "type": "User",\n  "site_admin": false\n}'

Python

[2] import kaggle

Python

[3] from kaggle.api.kaggle_api_extended import KaggleApi
api = KaggleApi()
api.authenticate()

Python

[4] response = requests.get('https://www.kompas.com/')
rawhtml = response.text
soup = BeautifulSoup(rawhtml, 'html.parser')

Python

[5] for i in soup.find_all('a'):
    print(i.get('href'))

Python

[6] https://www.kompas.com

Spaces: 4  {}  Cell 3 of 5
```

```
for i in soup.find_all('a'):  
    print(i.get('href'))
```

Python

```
https://www.kompas.com  
https://plus.kompas.com/detail?source=top_navbar  
javascript:void(0)  
https://account.kompas.com/login/a29tcGEz/aHR0cHM6Ly93d3cua29tcGEzLmNvbS8=  
https://plus.kompas.com/detail?source=profile  
https://activity.kompas.com/saved  
https://activity.kompas.com/liked  
https://activity.kompas.com/minat  
https://www.kompas.com/feedback  
https://plus.kompas.com/kompas-one?source=top_navbar  
https://www.kompas.com  
https://news.kompas.com?source=navbar  
https://nasional.kompas.com  
https://www.kompas.com/global  
https://megapolitan.kompas.com  
https://regional.kompas.com  
https://pemilu.kompas.com  
https://www.kompas.com/hype  
https://www.kompas.com/konsultasihukum  
https://www.kompas.com/cekfakta  
https://inside.kompas.com/suratpembaca  
https://indeks.kompas.com/?site=news  
https://kilasdaerah.kompas.com  
https://kilaskorporasi.kompas.com  
https://kilaskementerian.kompas.com  
...  
https://www.kompas.com/jadwal-sholat/kota-jakarta?source=living_assistance  
https://play.kompas.com/?source=living_assistance  
https://www.kompas.com/feedback?source=living_assistance  
https://activity.kompas.com/minat?source=living_assistance
```

C:\Users\user> user > namaprojek > namaprojek > spiders > quotes\_spider.py > KompasSpiderSpider

```
1 import scrapy
2
3 class KompasSpiderSpider(scrapy.Spider):
4     name = "quotes_spider"
5     start_urls = ["https://quotes.toscrape.com/"]
6
7     def parse(self, response):
8         # Loop setiap blok quote
9         for quote in response.css("div.quote"):
10             yield {
11                 "text": quote.css("span.text::text").get(),
12                 "author": quote.css("small.author::text").get(),
13                 "tags": quote.css("div.tags a.tag::text").getall(),
14             }
15
16         # Navigasi ke halaman berikutnya jika ada
17         next_page = response.css("li.next a::attr(href)").get()
18         if next_page:
19             yield response.follow(next_page, callback=self.parse)
20
```

```
PS C:\Users\user> cd kata_kata
```

```
PS C:\Users\user\kata_kata> python -m scrapy crawl quotes_spider -o quotes.json
```

```
● PS C:\Users\user> cd namaprojek
○ PS C:\Users\user\namaprojek> python -m scrapy crawl quotes_spider -o quotes.json
```

```
1 [{"text": "The world as we have created it is a process of our thinking. It cannot be changed without changing our thinking.", "author": "Albert",
2 {"text": "It is our choices, Harry, that show what we truly are, far more than our abilities.", "author": "J.K. Rowling", "tags": ["abilities"],
3 {"text": "There are only two ways to live your life. One is as though nothing is a miracle. The other is as though everything is a miracle.", "
4 {"text": "The person, be it gentleman or lady, who has not pleasure in a good novel, must be intolerably stupid.", "author": "Jane Austen", "ta
5 {"text": "Imperfection is beauty, madness is genius and it's better to be absolutely ridiculous than absolutely boring.", "author": "Marilyn Mo
6 {"text": "Try not to become a man of success. Rather become a man of value.", "author": "Albert Einstein", "tags": ["adulthood", "success", "va
7 {"text": "It is better to be hated for what you are than to be loved for what you are not.", "author": "André Gide", "tags": ["life", "love"]},
8 {"text": "I have not failed. I've just found 10,000 ways that won't work.", "author": "Thomas A. Edison", "tags": ["edison", "failure", "inspir
9 {"text": "A woman is like a tea bag; you never know how strong it is until it's in hot water.", "author": "Eleanor Roosevelt", "tags": ["misatt
10 {"text": "A day without sunshine is like, you know, night.", "author": "Steve Martin", "tags": ["humor", "obvious", "simile"]},
11 {"text": "This life is what you make it. No matter what, you're going to mess up sometimes, it's a universal truth. But the good part is you get
12 {"text": "It takes a great deal of bravery to stand up to our enemies, but just as much to stand up to our friends.", "author": "J.K. Rowling",
13 {"text": "If you can't explain it to a six year old, you don't understand it yourself.", "author": "Albert Einstein", "tags": ["simplicity", "u
14 {"text": "You may not be her first, her last, or her only. She loved before she may love again. But if she loves you now, what else matters? She
15 {"text": "I like nonsense, it wakes up the brain cells. Fantasy is a necessary ingredient in living.", "author": "Dr. Seuss", "tags": ["fantasy
16 {"text": "I may not have gone where I intended to go, but I think I have ended up where I needed to be.", "author": "Douglas Adams", "tags": ["
17 {"text": "The opposite of love is not hate, it's indifference. The opposite of art is not ugliness, it's indifference. The opposite of faith is
18 {"text": "It is not a lack of love, but a lack of friendship that makes unhappy marriages.", "author": "Friedrich Nietzsche", "tags": ["friends
19 {"text": "Good friends, good books, and a sleepy conscience: this is the ideal life.", "author": "Mark Twain", "tags": ["books", "contentment",
20 {"text": "Life is what happens to us while we are making other plans.", "author": "Allen Saunders", "tags": ["fate", "life", "misattributed-joh
21 {"text": "I love you without knowing how, or when, or from where. I love you simply, without problems or pride: I love you in this way because I
22 {"text": "For every minute you are angry you lose sixty seconds of happiness.", "author": "Ralph Waldo Emerson", "tags": ["happiness"]},
23 {"text": "If you judge people, you have no time to love them.", "author": "Mother Teresa", "tags": ["attributed-no-source"]},
24 {"text": "Anyone who thinks sitting in church can make you a Christian must also think that sitting in a garage can make you a car.", "author":
25 {"text": "Beauty is in the eye of the beholder and it may be necessary from time to time to give a stupid or misinformed beholder a black eye."
26 {"text": "Today you are You, that is truer than true. There is no one alive who is Youer than You.", "author": "Dr. Seuss", "tags": ["comedy",
27 {"text": "If you want your children to be intelligent, read them fairy tales. If you want them to be more intelligent, read them more fairy tale
28 {"text": "It is impossible to live without failing at something, unless you live so cautiously that you might as well not have lived at all - in
29 {"text": "Logic will get you from A to Z; imagination will get you everywhere.", "author": "Albert Einstein", "tags": ["imagination"]},
30 {"text": "One good thing about music, when it hits you, you feel no pain.", "author": "Bob Marley", "tags": ["music"]},
31 {"text": "The more that you read, the more things you will know. The more that you learn, the more places you'll go.", "author": "Dr. Seuss", "
32 {"text": "Of course it is happening inside your head, Harry, but why on earth should that mean that it is not real?", "author": "J.K. Rowling",
33 {"text": "The truth is, everyone is going to hurt you. You just got to find the ones worth suffering for.", "author": "Bob Marley", "tags": ["f
34 {"text": "Not all of us can do great things. But we can do small things with great love.", "author": "Mother Teresa", "tags": ["misattributed-t
35 {"text": "To the well-organized mind, death is but the next great adventure.", "author": "J.K. Rowling", "tags": ["death", "inspirational"]},
36 {"text": "All you need is love. But a little chocolate now and then doesn't hurt.", "author": "Charles M. Schulz", "tags": ["chocolate", "food"]}
```