

```
[ ] 1 !pip install requests
    2 !pip install beautifulsoup4
```

1

```
[ ] 1 !python --version
```

```
[ ] 1 from bs4 import BeautifulSoup
    2 import requests
    3
    4
    5
    6 class Solution(object):
    7
    8     def get_articles_from_front_page(self, url: str) -> list:
    9         """
   10         Retrieves all the headlines of a NYTimes web page
   11         :param url: url of the NYT daily articles
   12         (e.g., https://www.nytimes.com/issue/todayspaper/2021/10/01/todays-new-york-times)
   13         :return: list: a list of strings containing the headlines of the NYTimes article
   14         """
   15         result = []
   16
   17         # TODO: your solution
   18
   19         return result
```

2

## ▼ Main function

```
[ ] 1 url = "https://www.nytimes.com/issue/todayspaper/2021/11/01/todays-new-york-times"
    2 web_scrapper = Solution()
    3 articles = web_scrapper.get_articles_from_front_page(url)
    4 print(articles)
```

3

## ▼ Test cases

```
1 import unittest
2
3
4 class TestNYTimes(unittest.TestCase):
5
6     def test_articles_from_2021_11_01(self):
7         url = "https://www.nytimes.com/issue/todayspaper/2021/11/01/todays-new-york-times"
8         web_scrapper = Solution()
9         articles = web_scrapper.get_articles_from_front_page(url)
10
11         expected = "Angling for a Merry 'Fishmas' Despite Global Shipping Delays"
12         self.assertTrue(expected in articles)
13
14         expected = "Who Had Covid-19 Vaccine Breakthrough Cases?"
15         self.assertTrue(expected in articles)
16
17         expected = "What if Everything You Learned About Human History Is Wrong?"
18         self.assertTrue(expected in articles)
19
20     def test_articles_from_2021_10_01(self):
21         url = "https://www.nytimes.com/issue/todayspaper/2021/10/01/todays-new-york-times"
22         web_scrapper = Solution()
23         articles = web_scrapper.get_articles_from_front_page(url)
24
25         expected = "Leader of Prestigious Yale Program Resigns, Citing Donor Pressure"
26         self.assertTrue(expected in articles)
27
28         expected = "After Hurricane Ida, Oil Infrastructure Springs Dozens of Leaks"
29         self.assertTrue(expected in articles)
30
31 unittest.main(argv=[''], verbosity=2, exit=False)
```

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