

API homework assignment.

Instructions:

Using an automation framework of your choice. Share a repository with your coding challenge (You should be able to set up a free account on github, bitbucket, sourceforge, etc. to share your coding challenge.) Name it with your "firstname_lastname_teladoc_challenge". Update your README to show how to run your scripts Fulfill the following scenario:

Movie Titles

To solve this challenge, you are required to write an *HTTP GET* method to retrieve information from a movie database.

Function Description

Given a string *substr*, *getMovieTitles* must perform the following tasks:

1. Query `https://jsonmock.hackerrank.com/api/movies/search/?Title=substr(replace substr)`.
2. Initialize the *titles* array to store `total` string elements. Store the `Title` of each movie meeting the search criteria in the *titles* array.
3. Sort *titles* in ascending order and return it as your answer.

The query response from the website is a JSON response with the following five fields:

- `page`: The current page.
- `per_page`: The maximum number of results per page.
- `total`: The total number of movies in the search result.
- `total_pages`: The total number of pages which must be queried to get all the results.
- `data`: An array of JSON objects containing movie information where the `Title` field denotes the title of the movie.

In order to get all results, you may have to make multiple page requests. To request a page by number, your query should read

`https://jsonmock.hackerrank.com/api/movies/search/?Title=substr&page=pageNumber, replacing substr and pageNumber.`

Sample Input0

```
spiderman
```

Sample Output

```
Amazing Spiderman Syndrome
Fighting, Flying and Driving: The Stunts of Spiderman 3
Hollywood's Master Storytellers: Spiderman Live
Italian Spiderman
Spiderman
Spiderman
Spiderman 5
Spiderman and Grandma
Spiderman in Cannes
Superman, Spiderman or Batman
The Amazing Spiderman T4 Premiere Special
The Death of Spiderman

They Call Me Spiderman
```

Explanation

For this example, we want *all* the movie titles containing the substring `spiderman`. The response for the query

`https://jsonmock.hackerrank.com/api/movies/search/?Title=spiderman&page=1` is:

```
{
  "page": "1",
  "per_page": 10,
  "total": 13,
  "total_pages": 2,
  "data": [
    {
```

```
    "Poster": "https://images-na.ssl-images-  
amazon.com/images/M/MV5BYjFhN2RjZTctMzA2Ni00NzE2LWJmYjMtNDAYYTl1OTkyMmY3Xk  
EyXkFqcGdeQXVyNTA0OTU0OTQ@._V1_SX300.jpg",  
    "Title": "Italian Spiderman",  
    "Type": "movie",  
    "Year": 2007,  
    "imdbID": "tt2705436"  
  },  
  {  
    "Poster": "https://images-na.ssl-images-  
amazon.com/images/M/MV5BMjQ4MzcxNDU3Nl5BMl5BanBnXkFtZTgwOTE1MzMxNzE@._V1_S  
X300.jpg",  
    "Title": "Superman, Spiderman or Batman",  
    "Type": "movie",  
    "Year": 2011,  
    "imdbID": "tt2084949"  
  },  
  {  
    "Poster": "N/A",  
    "Title": "Spiderman",  
    "Type": "movie",  
    "Year": 1990,  
    "imdbID": "tt0100669"  
  },  
  {  
    "Poster": "N/A",  
    "Title": "Spiderman",  
    "Type": "movie",  
    "Year": 2010,  
    "imdbID": "tt1785572"  
  },  
  {  
    "Poster": "N/A",  
    "Title": "Fighting, Flying and Driving: The Stunts of Spiderman 3",  
    "Type": "movie",  
    "Year": 2007,
```

```
    "imdbID": "tt1132238"
  },
  {
    "Poster": "http://ia.media-
imdb.com/images/M/MV5BMjE3Mzg0MjAxMl5BMl5BanBnXkFtZTcwNjIyODg5Mg@@._V1_SX3
00.jpg",
    "Title": "Spiderman and Grandma",
    "Type": "movie",
    "Year": 2009,
    "imdbID": "tt1433184"
  },
  {
    "Poster": "N/A",
    "Title": "The Amazing Spiderman T4 Premiere Special",
    "Type": "movie",
    "Year": 2012,
    "imdbID": "tt2233044"
  },
  {
    "Poster": "N/A",
    "Title": "Amazing Spiderman Syndrome",
    "Type": "movie",
    "Year": 2012,
    "imdbID": "tt2586634"
  },
  {
    "Poster": "N/A",
    "Title": "Hollywood's Master Storytellers: Spiderman Live",
    "Type": "movie",
    "Year": 2006,
    "imdbID": "tt2158533"
  },
  {
    "Poster": "N/A",
    "Title": "Spiderman 5",
    "Type": "movie",
```

```
    "Year": 2008,  
    "imdbID": "tt3696826"  
  }  
]  
  
}
```

The response for the query

<https://jsonmock.hackerrank.com/api/movies/search/?Title=spiderman&page=2> is:

```
{  
  "page": "2",  
  "per_page": 10,  
  "total": 13,  
  "total_pages": 2,  
  "data": [  
    {  
      "Poster": "N/A",  
      "Title": "They Call Me Spiderman",  
      "Type": "movie",  
      "Year": 2016,  
      "imdbID": "tt5861236"  
    },  
    {  
      "Poster": "N/A",  
      "Title": "The Death of Spiderman",  
      "Type": "movie",  
      "Year": 2015,  
      "imdbID": "tt5921428"  
    },  
    {  
      "Poster": "https://images-na.ssl-images-  
amazon.com/images/M/MV5BZDlmMGQwYmItNTNmOS00OTNkLTkxNTYtNDM3ZWVlMWUyZDIzXk  
EyXkFqcGdeQXVyMTA5Mzk5Mw@@._V1_SX300.jpg",  
      "Title": "Spiderman in Cannes",  
      "Type": "movie",
```

```
    "Year": 2016,  
    "imdbID": "tt5978586"  
  }  
]  
  
}
```

The values of the `Title` field for each movie in each response page in the order received are:

```
Italian Spiderman  
Superman, Spiderman or Batman  
Spiderman  
Spiderman  
Fighting, Flying and Driving: The Stunts of Spiderman 3  
Spiderman and Grandma  
The Amazing Spiderman T4 Premiere Special  
Amazing Spiderman Syndrome  
Hollywood's Master Storytellers: Spiderman Live  
Spiderman 5  
They Call Me Spiderman  
The Death of Spiderman  
Spiderman in Cannes
```

We then sort the array in ascending order, and return it as our answer.