

## Code explanation

### Instructions for run

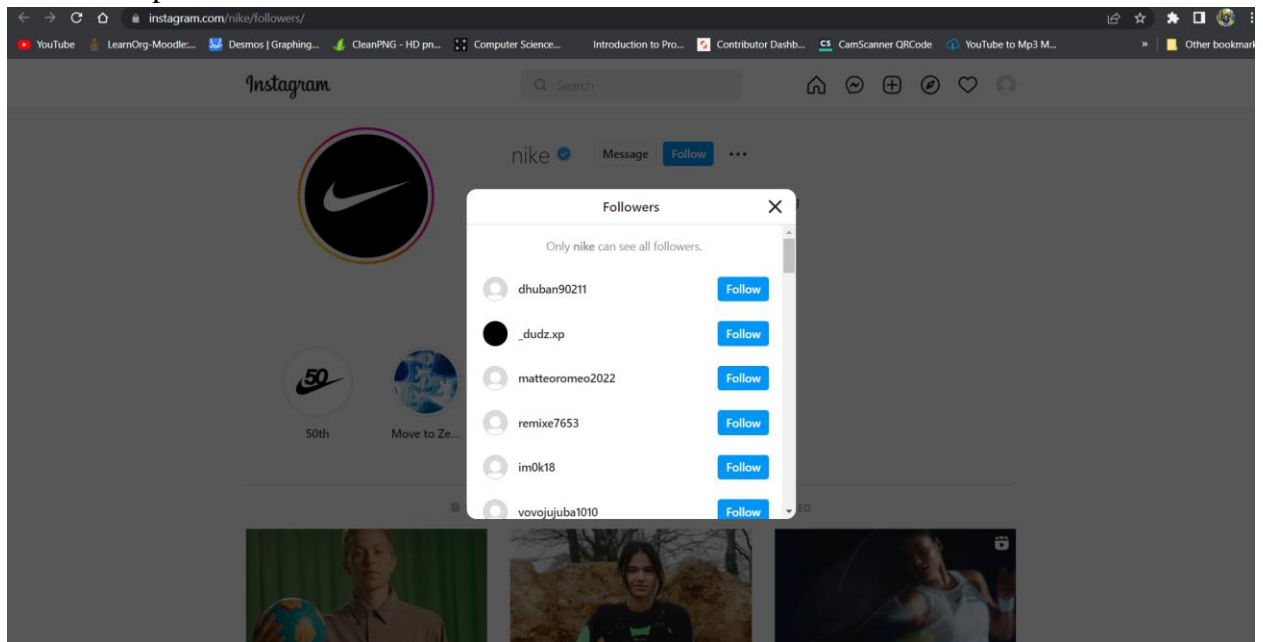
- First login to your intagram account using default browser.
- Then run the code in java compiler.
- Code will request a profile link. Please enter a valid profile link.
  - E.g.: <https://www.instagram.com/nike/>

<https://www.instagram.com/natgeo/>

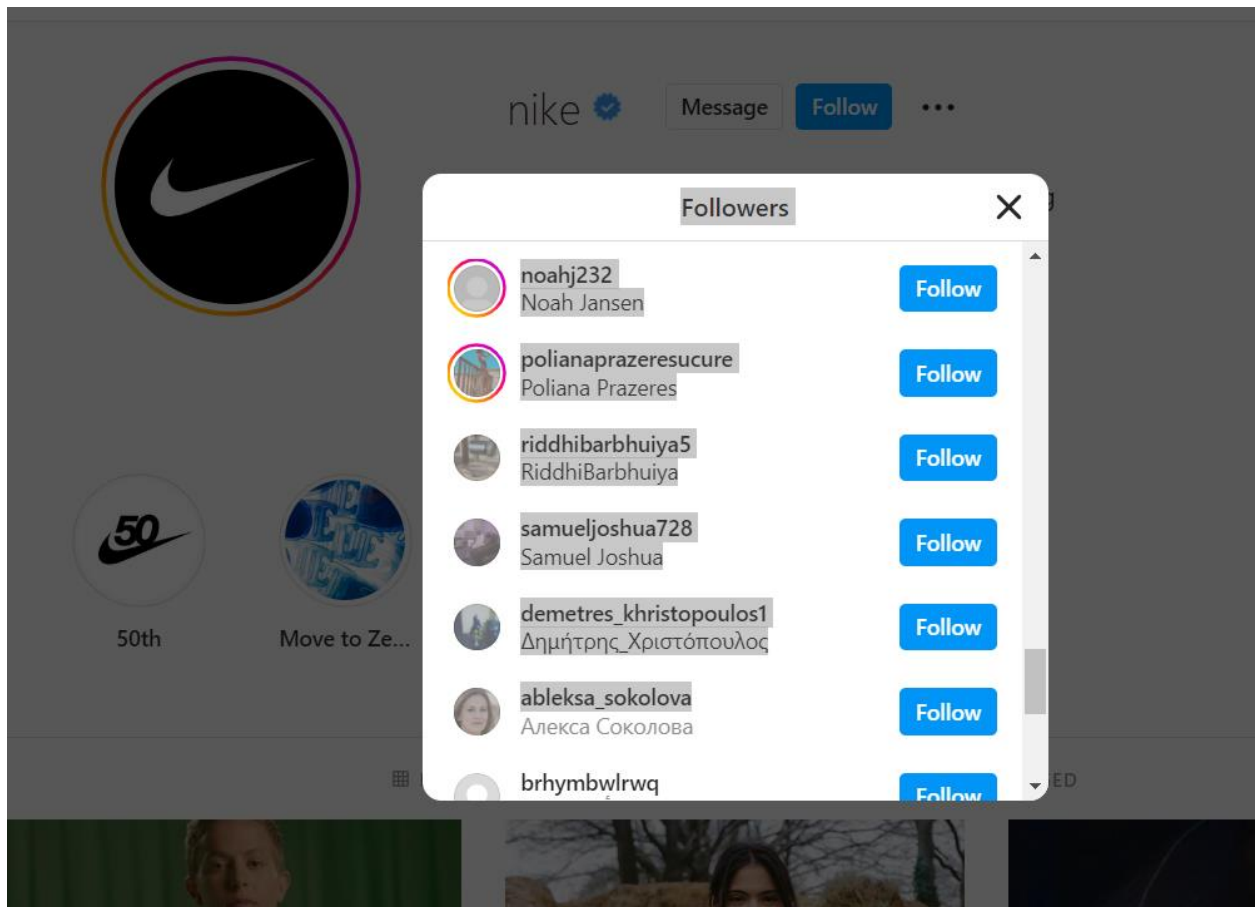
Enter the profile link:

- <https://www.instagram.com/nike/>

- It's important to have “/” in end of the link. (Mostly it's the default link you get)
- After pasting the link press enter and your browser will automatically open follower page of selected profile.



- After that select manually profiles in the follower tab. If you want to select more you have to scroll too.



- To copy them press ctrl+c and then go to program and paste it by pressing ctrl+v. Then press enter and enter “#” to end the list.
- Then your browser will open another page which is following one. Do the same process as previous. You will have the user name list.

### My approach

- In the beginning I was searched about java libraries to deal with intagram.
- Then I thought to open the needed page (e.g.: <https://www.instagram.com/nike/>) and convert it to html code and then using java search the followers and following user names. Main issue in that idea was intagram not providing open html code to outsiders. That means everything encrypted.
- Next step is to copy manually. That’s only solution we can have. So, I gone for it and made the program to get whole copied text and then decrypt it to only usernames.
- Only intagram support sites can give you the full follower and following list with help of intagram data center. As public we don’t have to access to that. If you really wish to have it you can buy premium versions of that web site packages.

### Code explanation

- My code first gets the input of profile link as a string.
- Then it will add another string of “followers” or “following” to that link and open that new link via your default browser.
- After that you can copy texts, you need and paste. After pasting, I am using java scanner to collect data line by line. So, in getInputData function I’m adding every line into array.
- After collection both followers and follows arrays then I’m pass both arrays to decryptData function. It will iterate through the arrays and output only distinct usernames grouped by followers and follows.

Thank you for choosing me,

Best wishes,

W.A. Malith Dilshan