**Working of the Project**

Since there is no definite method to trace back a Linkedin profile from a given address the following approach is the most convenient and has the highest chance of success.

Step 1: Enter Email Address

Step2: Username is extracted from E-Mail

Step3: Using OSINT various social media handles are scrapped off the web pertaining to the username

Note: Since Linkedin & Twitter go hand to hand, a current account on Twitter most definitely will be present in Linkedin

Step 4: The name of the Account holder is extracted from the Twitter Page

Step5: A Dummy account is used to open Linkedin

Note: Due to Linkedin Privacy Policies without a valid Linkedin account no Linkedin profile can be viewed, hence a dummy account is used.

Step 6. A search is run on Linkedin against the obtained name from Twitter

Step 7: The topmost result is taken into consideration due to its highest probability of being the account linked to the email address

**Alternative approach to the problem**

The most efficient way of dealing with such a problem would be to take the help of machine learning to train the program into discovering possible usernames from a given email address.

The program would have to be trained in figuring the syntax of human names, such a model would take significant time (1-2 days) and thus I have not been able to implement within 24 hours.

**A few drawbacks of the current Program**

1: Unpolished Code

2: Currently works only on the Windows Operating System since OS files are not managed

3: This program wont work if the user does not have a twitter account with the given email address