

Base.py



Contains a constructor which stores our user email, app password and imap server and sets "conn" to None.

→ "create\_conn" function

initialises connection from IMAP server to our user email and then stores IMAP into "conn".

## Source\_emailconnector.py

- 1) Initialises Base.py with user input.
- 2) Calls "create\_conn" function in Base.py
- 3) Calls "pull\_data" functions.

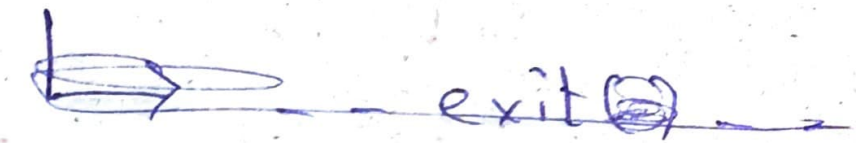
- i)  $\rightarrow$  `imap.select("INBOX")` /SPAM etc
- ii)  $\rightarrow$  iterates the INBOX folder 'N' no. of times. (We can set 'N' before itself)  
no. of emails to read.
- iii)  $\rightarrow$  Parse data to message object and then decode to human readable code.
- iv)  $\rightarrow$  `list = ["subject", "date", "from", "to", "body"]`
- (v)  $\rightarrow$  If body is plaintext  $\rightarrow$  body will be append to list.  
`list.append(body)`

else if body is HTML type, we check for tables, then store those tables in csv file.

else if there are attachments, download them.

\* In each iteration, we insert the list into dictionary.

\* The dictionary will be converted to Pandas data frame and will be returned.



→ exit function → close & logout.