

The evaluation assignment is available in C, Python or Perl. The code is a simulated email authentication system. The program takes 2 args, the email address and a password. There are 5 steps to this assignment.

1. Pick a language to work on and find it's corresponding file. The preference is C, then Python and lastly Perl. You only need to pick and work on one.
2. Read and comprehend the code.
3. Comment the existing code
4. Expand the code to accept any number of random email address extensions (aliases), while maintaining authentication of the account itself. Email extensions are in the format of **user+alias@domain**. Document any changes made.
5. Return the modified file to HR for review. Do not try and push changes back to git. Only submit changed file, not the entire repository.

The output template is as follows...

	<i>Before modification</i>	<i>After modification</i>
<i>Failure</i>	Invalid user/password 1 or Invalid user/password2 or Invalid user/password3	Invalid user/password1 or Invalid user/password2 or Invalid user/password3
<i>Success</i>	Authentication successful for <username> User: <user> Domain: <domain> Username: <username>	Authentication successful for <username> User: <user> Domain: <domain> Alias: <alias> Username: <username>
<i>Notes</i>	<username> will include the alias since the code doesn't know about aliases	<username> should not include the alias, as it's not actually part of the username

Test data is as follows...

<i>User</i>	<i>Password</i>
user1@domain1.com	testpw1
user1@domain1.com	badpw
user2@domain1.com	testpw2
user2@domain1.com	badpw
unknown@domain2.com	something
user1+alias1@domain1.com	testpw1
user1+alias2@domain1.com	testpw1