

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 two steps to this assignment.

- 1) Read and comprehend the code, then comment the code.
- 2) Expand the code to accept email address extensions, while maintaining authentication of the account itself. Email extensions are in the format of user+alias@domain. Document any changes made.

The output template is as follows...

	<i>Before modification</i>	<i>After modification</i>
<b>Failure</b>	Invalid user/password1 or Invalid user/password2 or Invalid user/password3	Invalid user/password1 or Invalid user/password2 or Invalid user/password3
<b>Success</b>	Authentication successful for <username> User: <user> Domain: <domain> Username: <username>	Authentication successful for <username> User: <user> Domain: <domain> Alias: <alias> Username: <username>
<b>Notes</b>	<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

```
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
```