

# CSNB314 Lab Work

## Lab 6: Writing a Simple Email Client Program (20 marks)

In this lab, you are going to write a simple email client program. As usual, work in pairs. Start from the TCP client program given in Lab 4. The program must send a list of SMTP messages to a mail server to send an email (please refer to the lecture notes on SMTP). You can hard-code all the SMTP messages to be sent. Remember that for each message that you send, there will be a reply from the server. Your program must print out the replies from the server. Details of the email to be sent are as follows:

**Mail server:** metalab.uniten.edu.my (IP address from inside Uniten: 172.16.0.2)

**Receiver:** [aman@metalab.uniten.edu.my](mailto:aman@metalab.uniten.edu.my)

**Email body to be sent:** Your name, student ID, email address, home address, contact number, and date-of-birth (however, if you think any of the above information is too private to be given to me, you can omit them).

The email body must contain the information of both group members. Your email body must also include a **valid email header**. The From: field in the header must be the same as the email address you specified in your email body.

Your program is considered successful if I receive your email in my mailbox. To get marks, I must verify that your email is received and you may need to answer some questions.

### Bonus Marks

1. Modify your email client program so that instead hard-coding the email content inside the program, the email content will be read from a text file named "mail.txt".  
[10 marks]
2. Extend your program in Bonus Question 1 above so that instead of hard-coding the sender's and receiver's email address, the addresses should also be read from the file "mail.txt". The first line in the file should contain the sender's email address and the second line should contain the receiver's email address. The email content will start from the third line.

[10 marks]