Assignment 2

TA: Seonghyeon Lee   sh0416@postech.ac.kr
Due Date: 2020. 5. 13. 23:59 (Late: 1day -50%, 2day -100%)

1. POSTECH Mail Client

The goal of this programming assignment is to create **a simple mail client** that sends e-mail to any recipient **using socket programming**. We provide a sample script to you using smtplib. First, type your POSTECH account in *SMTPClient_smtplib.py* and execute it to see what happens. Executing this code, you may receive an e-mail in your mailbox. Using the log, you could infer useful SMTP commands when communicating with the mail server via naive TCP connection. What you have to do is to implement *SMTPClient_naive.py* which works like the sample script.

You should submit one zip file containing two files, *SMTPClient_naive.py* and a pdf report that contains what is challenging and how to solve it (up to 2 pages). In the python file, do not use additional imports and print all received messages from the mail server. You could feel free to contact TA if you have question, but I would like to recommend you search google first.

1.1 What you have to do

- Establish a TCP connection with a mail server [2pt]
- Dialogue with the mail server using the SMTP protocol. [2pt]
- Login using SMTP authentication using your postech account. [5pt]
- Send a e-mail to your POSTECH mailbox. [5pt]
- Destroy the TCP connection [2pt]
- **Remove your account information in the python file when submitting it** [-16pt if not]

1.2 Useful link

- www.samlogic.net/articles/smtp-commands-reference-auth.htm
- stackoverflow.com/questions/33397024/mail-client-in-python-using-sockets-onlyno-smtplib

SMTP 설정

서버 이름: smtp.office365.com
포트: 587
암호화 방법: STARTTLS

Figure 1: POSTECH SMTP Setting