



PRELIMS - ACTIVITY #03

TASK:

Create a program that will send a simple email through an SMTP (*Simple Mail Transfer Protocol*) server.

Focus on the following classes:

- Socket
- Streams

SMTP COMMANDS (MUST BE DONE IN ORDER)

HELO <local.domain.name> [enter key]
MAIL FROM: <from@email> [enter key]
RCPT TO: <to@email> [enter key]
DATA [enter key]
SUBJECT: <subject> [enter key TWICE]
[MESSAGE]
[enter key]. [enter key] (single dot on one line sends the message)
QUIT [enter key]

SMTP SERVER MESSAGES (Error codes)

421	Service not available, closing transmission channel (This may be a reply to any command if the service knows it must shut down)
450	Requested mail action not taken: mailbox unavailable (E.g., mailbox busy)
451	Requested action aborted: local error in processing
452	Requested action not taken: insufficient system storage
500	Syntax error, command unrecognized (This may include errors such as command line too long)
501	Syntax error in parameters or arguments
502	Command not implemented
503	Bad sequence of commands
504	Command parameter not implemented
550	Requested action not taken: mailbox unavailable (E.g., mailbox not found, no access)
551	User not local; please try
552	Requested mail action aborted: exceeded storage allocation
553	Requested action not taken: mailbox name not allowed (E.g., mailbox syntax incorrect)
554	Transaction failed

SMTP SERVER MESSAGES (Info codes)

The other codes that will provide helpful information on what's happening with the messages are the following:

211	System status, or system help reply
214	Help message (Information on how to use the receiver or the meaning of a particular non-standard command; this reply is useful only to the human user)
220	Service ready
221	Service closing transmission channel
250	Requested mail action okay, completed
251	User not local; will forward to
354	Start mail input; end with . (a dot)