NETWORKS LAB EXPERIMENT 8

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SMTP : Simple Mail Transfer Protocol

- SMTP is a push protocol that is used for sending emails. It is basically a set of commands that authenticates and directs the transfer of email. It is informally termed as "Sending Mail to People". It is a text based TCP protocol that works on **port 25.**
- SMTP assumes that the destination email address is correct and still exists but for some reason that the email that you sent does not reach its destination. If in case you misspelled the email address, or the email address no longer exists then you will get a familiar mail delivery error in your mailbox informing you that the email you sent failed.
- POP & IMAP used for retrieving email.

Eg: When you write an email using an email client such as Microsoft Outlook, Mozilla Thunderbird or some mobile device and then when you hit send, the email travels from your computer to your email server using the SMTP protocol. Now this server is also known as the SMTP server and this is what's configured in your email client. So, for instance if you are using Gmail, the SMTP server address would be smtp.gmail.com and then your SMTP server will send the message to the recipient's email server also using SMTP. Then the email will stay on the recipient's email server until the recipient logs into their email account and downloads the email using POP or IMAP or they can just view the email on the server by using webmail.