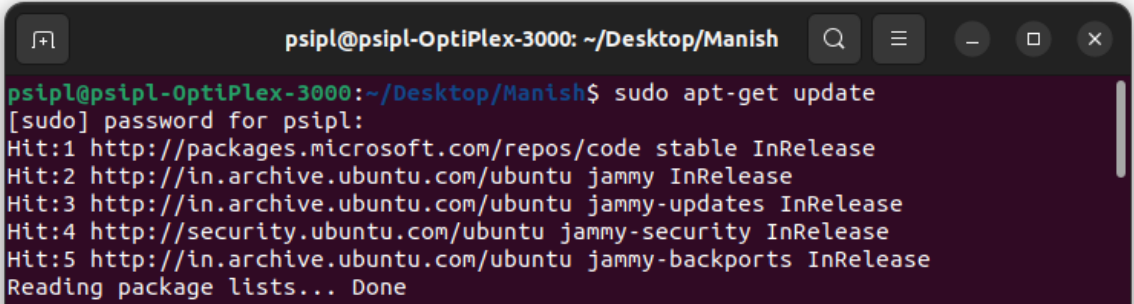
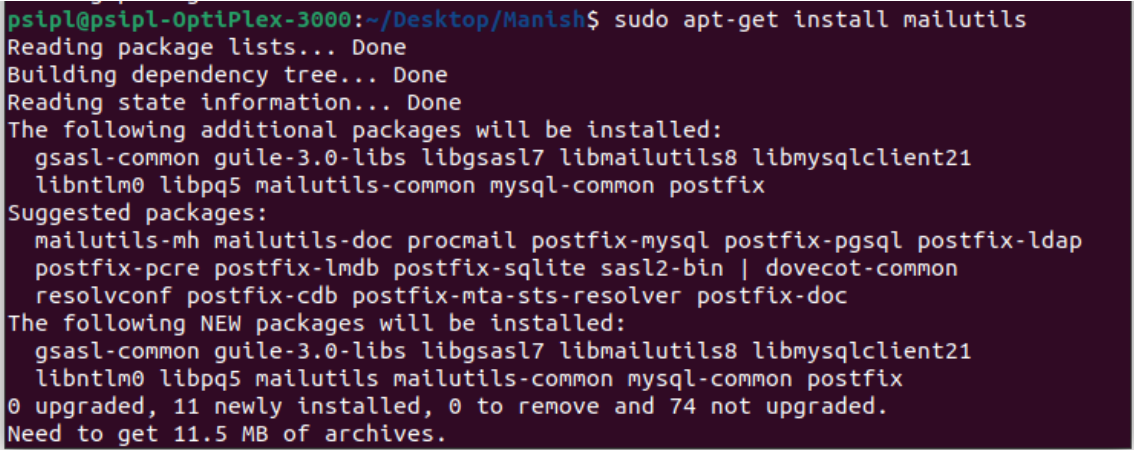
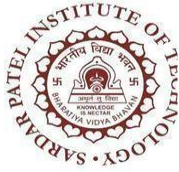


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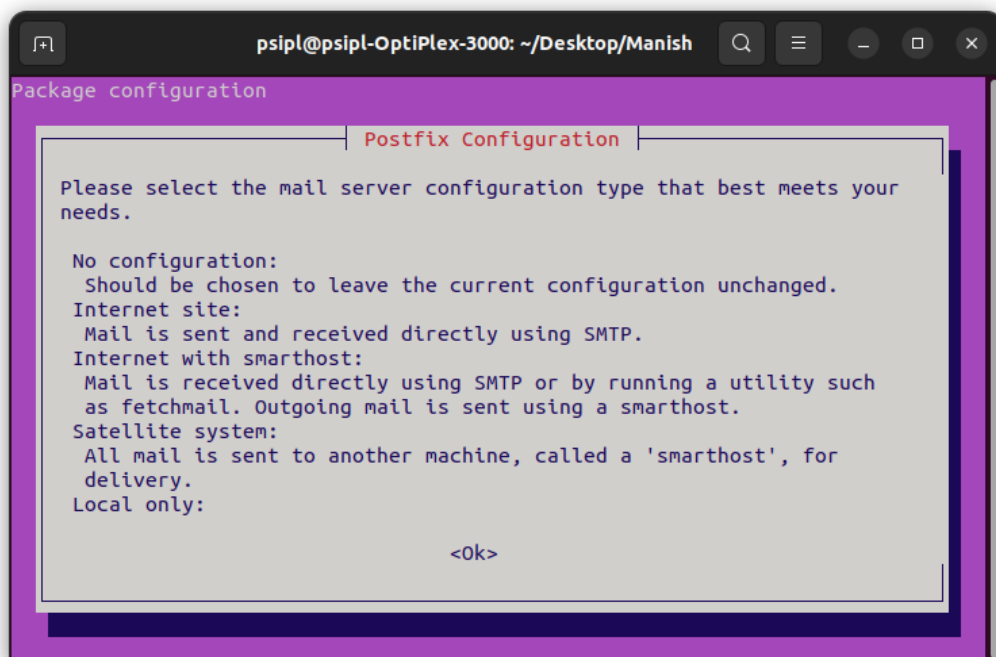
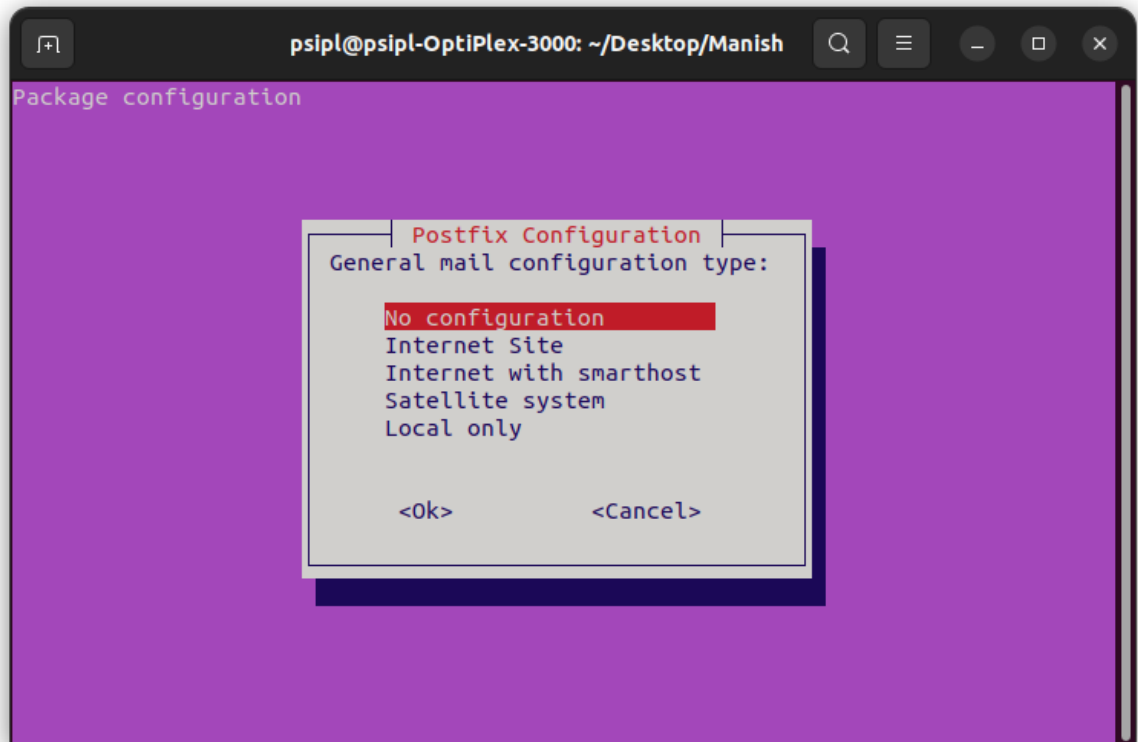
Name	Manish Shashikant Jadhav
UID	2023301005
Subject	Computer Communication and Networks (CCN)
Experiment No.	5
Aim	Installation and configuration of SMTP server.
Step1:	<p>Run sudo apt-get update Command To Update All Packages:</p> 
Step2:	<p>Run sudo apt-get install mailutils Command To Install Postfix Along With Other Mail Utilities.</p> 

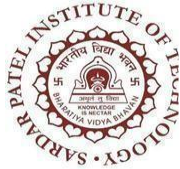


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Step3:

During installation And Configuration Of Postfix Select **Internet Site** Because We Need SMTP

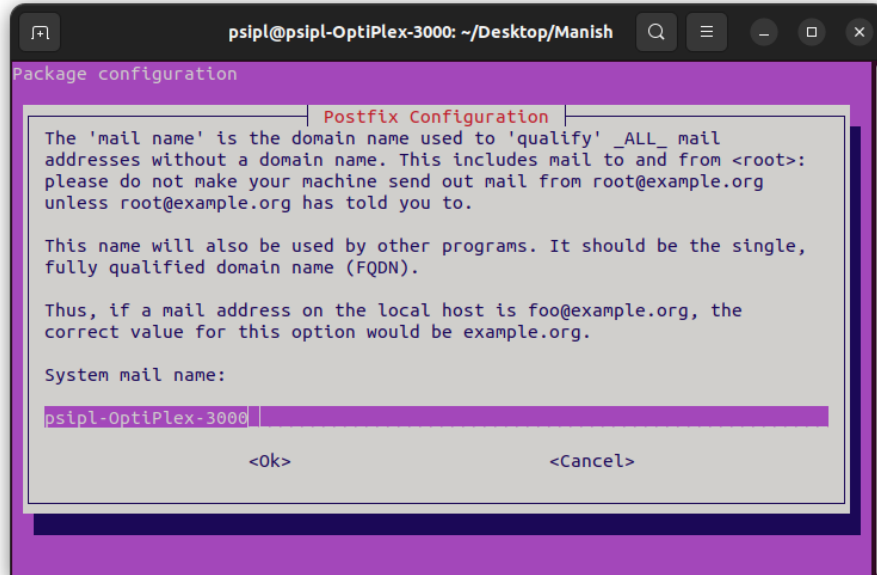




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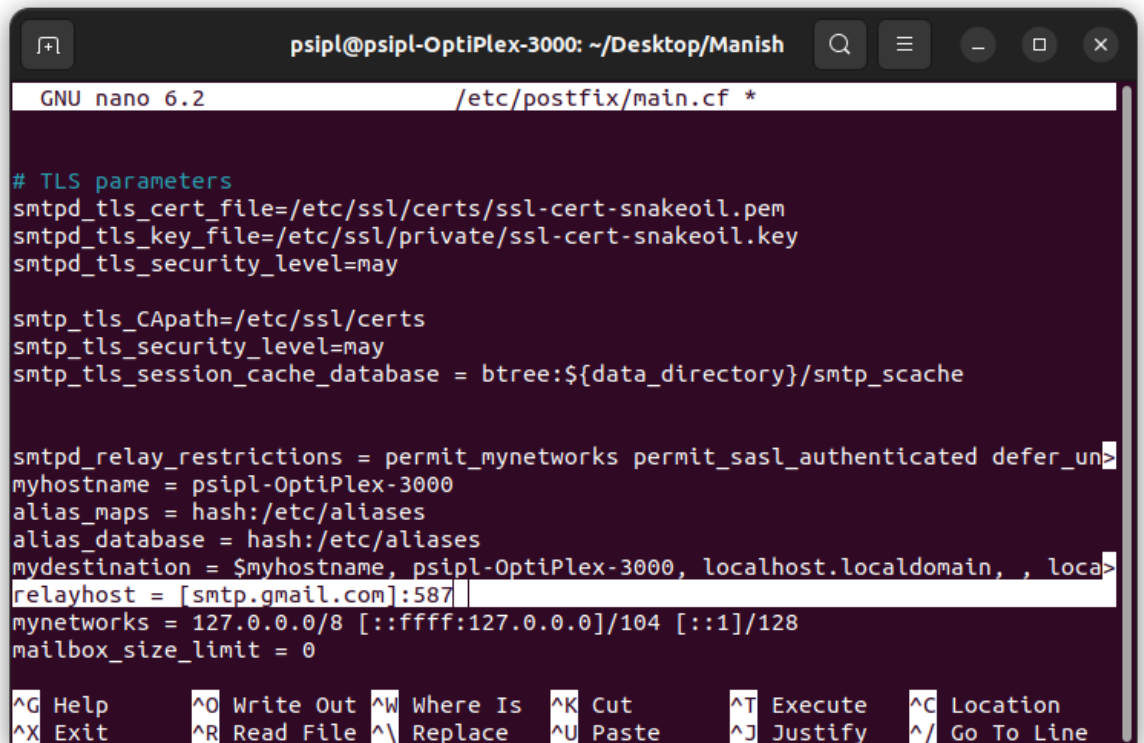
Step4:

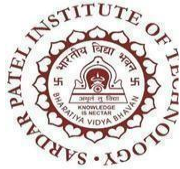
Check If Domain Name Is Correct And Press Ok.



Step5:

Run `sudo nano /etc/postfix/main.cf` Command And Add `relayhost = [smtp.gmail.com]:587`





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Step6:

In Above File Add Contents Of

https://docs.google.com/document/d/1y_xQ9nrVT8Yf3GmhQRt-cdhem1FwVrXf_L6n_iwz6Xc/edit?usp=sharing.

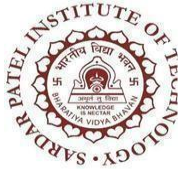
```
GNU nano 6.2 /etc/postfix/main.cf *
alias_database = hash:/etc/aliases
mydestination = $myhostname, psi-pl-OptiPlex-3000, localhost.localdomain, , loca
relayhost = [smtp.gmail.com]:587
mynetworks = 127.0.0.0/8 [::ffff:127.0.0.0]/104 [::1]/128
mailbox_size_limit = 0
recipient_delimiter = +
inet_interfaces = all
inet_protocols = all

# Enables SASL authentication for postfix
smtp_sasl_auth_enable = yes
# Disallow methods that allow anonymous authentication
smtp_sasl_security_options = noanonymous
# Location of sasl_passwd we saved
smtp_sasl_password_maps = hash:/etc/postfix/sasl/sasl_passwd
# Enable STARTTLS encryption for SMTP
smtp_tls_security_level = encrypt
# Location of CA certificates for TLS
smtp_tls_CAfile = /etc/ssl/certs/ca-certificates.crt

```

Step7:

In Same File Delete Everything Next To “mydestination=”
Except “localhost<your_hostname>,”
,localhost” And Save The File.



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```
psipl@psipl-OptiPlex-3000: ~/Desktop/Manish
GNU nano 6.2 /etc/postfix/main.cf *

# TLS parameters
smtpd_tls_cert_file=/etc/ssl/certs/ssl-cert-snakeoil.pem
smtpd_tls_key_file=/etc/ssl/private/ssl-cert-snakeoil.key
smtpd_tls_security_level=may

smtp_tls_CAsPath=/etc/ssl/certs
smtp_tls_security_level=may
smtp_tls_session_cache_database = btree:${data_directory}/smtp_scache

smtpd_relay_restrictions = permit_mynetworks permit_sasl_authenticated defer_un
myhostname = psi-pl-OptiPlex-3000
alias_maps = hash:/etc/aliases
alias_database = hash:/etc/aliases
mydestination = localhost.localdomain, , localhost
relayhost = [smtp.gmail.com]:587
mynetworks = 127.0.0.0/8 [::ffff:127.0.0.0]/104 [::1]/128

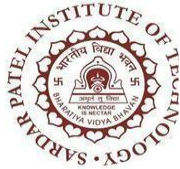
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute  ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify  ^_ Go To Line
```

Step8:

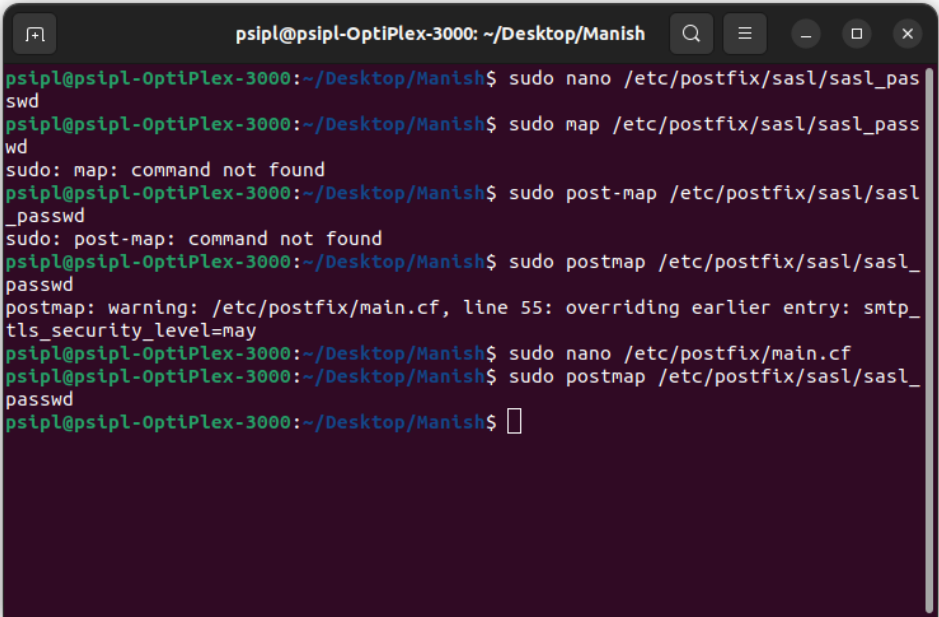
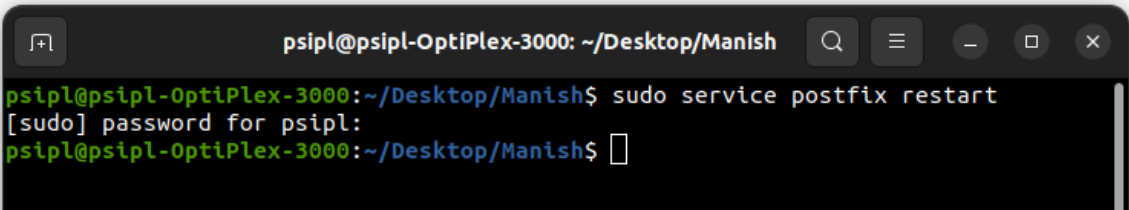
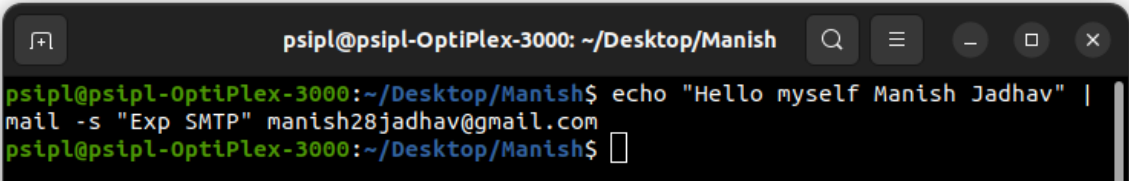
Create New File Using `sudo nano /etc/postfix/sasl/sasl_passwd` Command, Add `[smtp.gmail.com]:587 email_address :password` And Save The File.

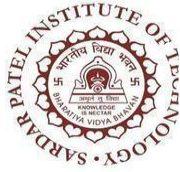
```
psipl@psipl-OptiPlex-3000: ~/Desktop/Manish
GNU nano 6.2 /etc/postfix/sasl/sasl_passwd
[smtp.gmail.com]:587 manishsj289@gmail.com :ozwfnvurblmnayxx

[ Wrote 1 line ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute  ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify  ^_ Go To Line
```

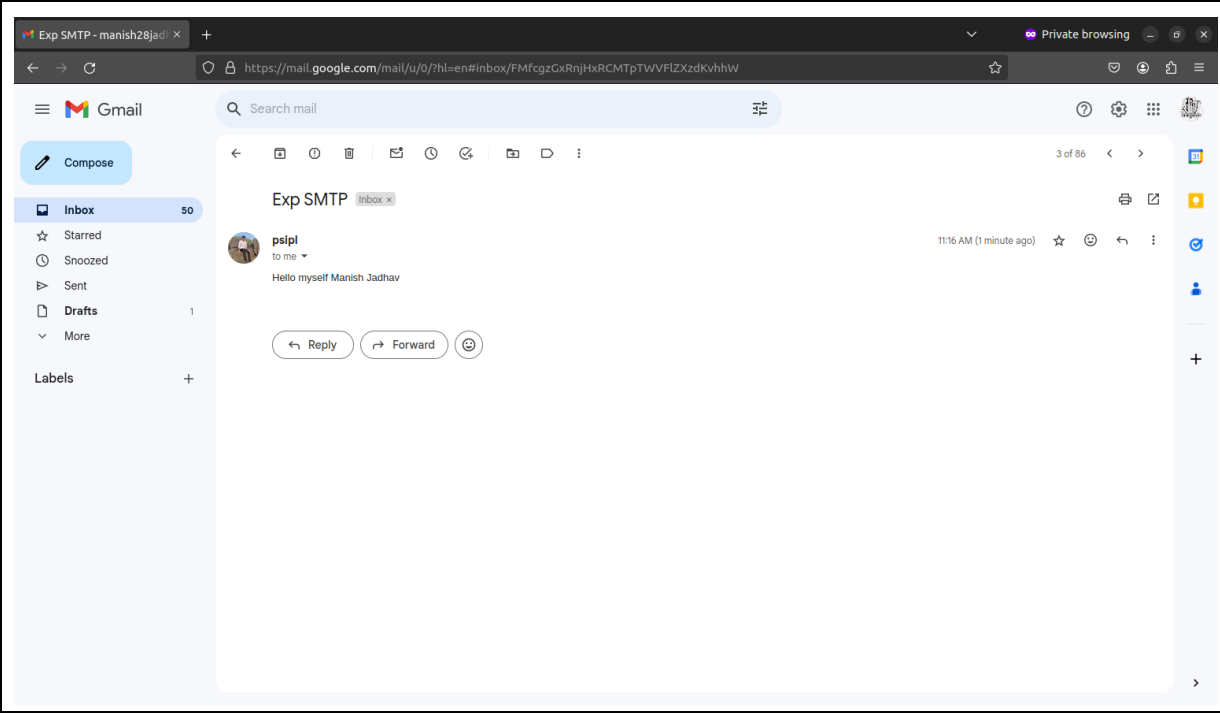


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Step9:	<p>Convert The sasl_passwd File Into A Database File Using sudo postmap /etc/postfix/sasl/sasl_passwd Command.</p> 
Step10:	<p>Restart Postfix Using sudo service postfix restart Command</p> 
Step11:	<p>Send Email Using echo "<Message>" mail -s "<Subject>" <email_address> Command.</p> 
Step12:	<p>Open Gmail And Check The Received Mail.</p>



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Conclusion	Hence, by completing this experiment I came to know about Installation and configuration of SMTP server.