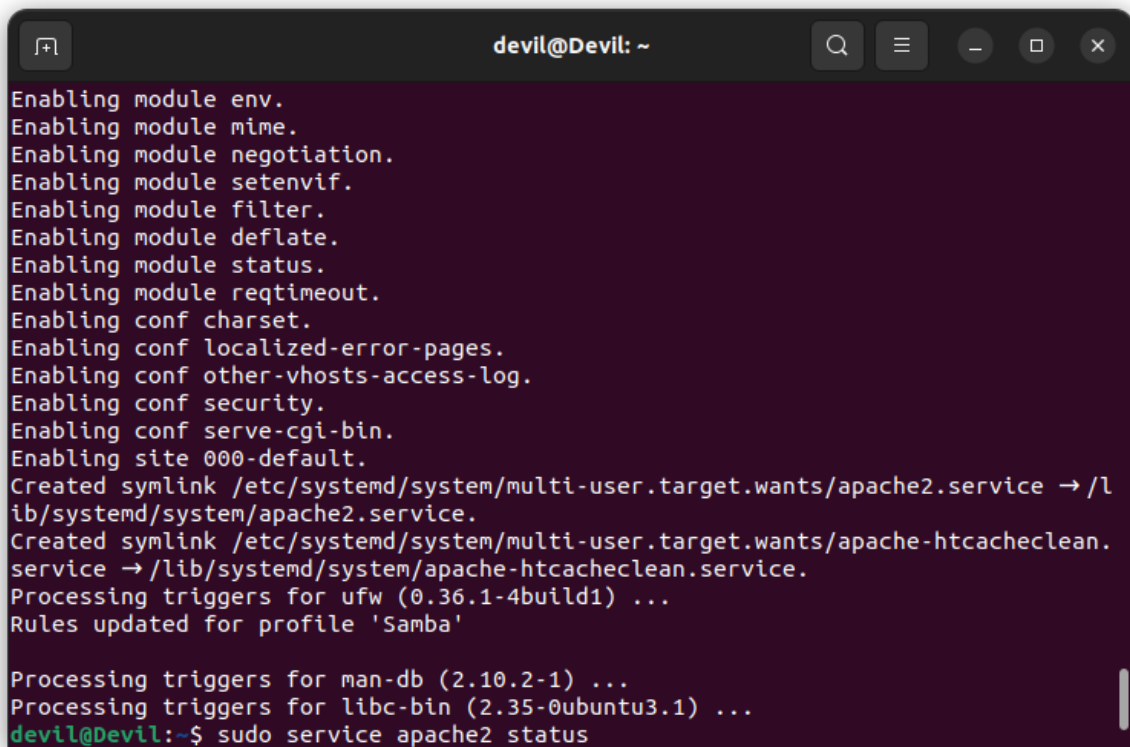


NAME : Muhammad Hamza

Roll no : 21k-3815

Sec : BS-SE-4A

TASK 1



```
devil@Devil: ~  
Enabling module env.  
Enabling module mime.  
Enabling module negotiation.  
Enabling module setenvif.  
Enabling module filter.  
Enabling module deflate.  
Enabling module status.  
Enabling module reqtimeout.  
Enabling conf charset.  
Enabling conf localized-error-pages.  
Enabling conf other-vhosts-access-log.  
Enabling conf security.  
Enabling conf serve-cgi-bin.  
Enabling site 000-default.  
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.  
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.  
Processing triggers for ufw (0.36.1-4build1) ...  
Rules updated for profile 'Samba'  
  
Processing triggers for man-db (2.10.2-1) ...  
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...  
devil@Devil:~$ sudo service apache2 status
```

```
devil@Devil: ~  
Processing triggers for ufw (0.36.1-4build1) ...  
Rules updated for profile 'Samba'  
  
Processing triggers for man-db (2.10.2-1) ...  
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...  
devil@Devil:~$ sudo service apache2 status  
● apache2.service - The Apache HTTP Server  
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor prese  
   Active: active (running) since Mon 2023-03-06 20:39:45 PKT; 27s ago  
     Docs: https://httpd.apache.org/docs/2.4/  
   Main PID: 31923 (apache2)  
     Tasks: 55 (limit: 8935)  
    Memory: 5.2M  
       CPU: 104ms  
    CGroup: /system.slice/apache2.service  
            └─31923 /usr/sbin/apache2 -k start  
              └─31924 /usr/sbin/apache2 -k start  
                └─31925 /usr/sbin/apache2 -k start  
  
20:39:45 06 مارچ Devil systemd[1]: Starting The Apache HTTP Server...  
20:39:45 06 مارچ Devil apachectl[31922]: AH00558: apache2: Could not reliably d  
20:39:45 06 مارچ Devil systemd[1]: Started The Apache HTTP Server.  
lines 1-16/16 (END)  
devil@Devil:~$
```

```
devil@Devil: ~  
devil@Devil:~$ sudo ufw app list  
Available applications:  
  Apache  
  Apache Full  
  Apache Secure  
  CUPS  
  Samba  
devil@Devil:~$
```

```
devil@Devil: ~  
devil@Devil:~$ sudo ufw app list  
Available applications:  
  Apache  
  Apache Full  
  Apache Secure  
  CUPS  
  Samba  
devil@Devil:~$ sudo ufw app info "Apache Full"  
Profile: Apache Full  
Title: Web Server (HTTP,HTTPS)  
Description: Apache v2 is the next generation of the omnipresent Apache web  
server.  
  
Ports:  
  80,443/tcp  
devil@Devil:~$
```

Lab 05

Apache2 Ubuntu Default Page

192.168.56.101



Ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
|
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations, respectively.
- They are activated by symlinking available configuration files from their respective `*-available/` counterparts. These should be managed by using our helpers `a2enmod`, `a2dismod`, `a2ensite`, `a2dissite`, and `a2enconf`. For more information see the [manual](#).

```
devil@Devil: ~  
reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv ... 120  
reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208  
reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146  
reading /usr/share/mecab/dic/ipadic/Noun.csv ... 60477  
reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42  
reading /usr/share/mecab/dic/ipadic/Noun.proper.csv ... 27328  
emitting double-array: 100% |#####|  
reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316  
emitting matrix      : 100% |#####|  
  
done!  
update-alternatives: using /var/lib/mecab/dic/ipadic-utf8 to provide /var/lib/me  
cab/dic/debian (mecab-dictionary) in auto mode  
Setting up mysql-server-8.0 (8.0.32-0ubuntu0.22.04.2) ...  
update-alternatives: using /etc/mysql/mysql.cnf to provide /etc/mysql/my.cnf (my  
.cnf) in auto mode  
Renaming removed key_buffer and myisam-recover options (if present)  
mysqld will log errors to /var/log/mysql/error.log  
mysqld is running as pid 32955  
Created symlink /etc/systemd/system/multi-user.target.wants/mysql.service → /lib  
/systemd/system/mysql.service.  
Setting up mysql-server (8.0.32-0ubuntu0.22.04.2) ...  
Processing triggers for man-db (2.10.2-1) ...  
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
```

```
devil@Devil: ~  
update-alternatives: using /usr/bin/php8.1 to provide /usr/bin/php (php) in auto  
mode  
update-alternatives: using /usr/bin/phar8.1 to provide /usr/bin/phar (phar) in a  
uto mode  
update-alternatives: using /usr/bin/phar.phar8.1 to provide /usr/bin/phar.phar (  
phar.phar) in auto mode  
  
Creating config file /etc/php/8.1/cli/php.ini with new version  
Setting up libapache2-mod-php8.1 (8.1.2-1ubuntu2.11) ...  
  
Creating config file /etc/php/8.1/apache2/php.ini with new version  
Module mpm_event disabled.  
Enabling module mpm_prefork.  
apache2_switch_mpm Switch to prefork  
apache2_invoke: Enable module php8.1  
Setting up php8.1 (8.1.2-1ubuntu2.11) ...  
Setting up libapache2-mod-php (2:8.1+92ubuntu1) ...  
Setting up php (2:8.1+92ubuntu1) ...  
Processing triggers for man-db (2.10.2-1) ...  
Processing triggers for php8.1-cli (8.1.2-1ubuntu2.11) ...  
Processing triggers for libapache2-mod-php8.1 (8.1.2-1ubuntu2.11) ...  
devil@Devil:~$
```


```
devil@Devil: ~  
GNU nano 6.2 /etc/apache2/mods-enabled/dir.conf *  
<IfModule mod_dir.c>  
    DirectoryIndex index.php index.html index.cgi index.pl index.xhtml inde  
</IfModule>  
  
# vim: syntax=apache ts=4 sw=4 sts=4 sr noet  
  
^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
```

```
devil@Devil: ~  
After this operation, 1,143 kB of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://pk.archive.ubuntu.com/ubuntu jammy/main amd64 libtidy5deb1 amd64 2:  
5.6.0-11build2 [236 kB]  
Get:2 http://pk.archive.ubuntu.com/ubuntu jammy-updates/main amd64 php8.1-tidy a  
md64 8.1.2-1ubuntu2.11 [20.6 kB]  
Fetched 257 kB in 2s (132 kB/s)  
Selecting previously unselected package libtidy5deb1:amd64.  
(Reading database ... 281478 files and directories currently installed.)  
Preparing to unpack .../libtidy5deb1_2%3a5.6.0-11build2_amd64.deb ...  
Unpacking libtidy5deb1:amd64 (2:5.6.0-11build2) ...  
Selecting previously unselected package php8.1-tidy.  
Preparing to unpack .../php8.1-tidy_8.1.2-1ubuntu2.11_amd64.deb ...  
Unpacking php8.1-tidy (8.1.2-1ubuntu2.11) ...  
Setting up libtidy5deb1:amd64 (2:5.6.0-11build2) ...  
Setting up php8.1-tidy (8.1.2-1ubuntu2.11) ...  
  
Creating config file /etc/php/8.1/mods-available/tidy.ini with new version  
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...  
Processing triggers for libapache2-mod-php8.1 (8.1.2-1ubuntu2.11) ...  
Processing triggers for php8.1-cli (8.1.2-1ubuntu2.11) ...  
devil@Devil:~$
```

```
devil@Devil: ~  
GNU nano 6.2 /var/www/html/info.php *  
<?php  
phpinfo ();  
?>  
  
File Name to Write: /var/www/html/info.php  
^G Help      M-D DOS Format  M-A Append     M-B Backup File  
^C Cancel    M-M Mac Format  M-P Prepend    ^T Browse
```

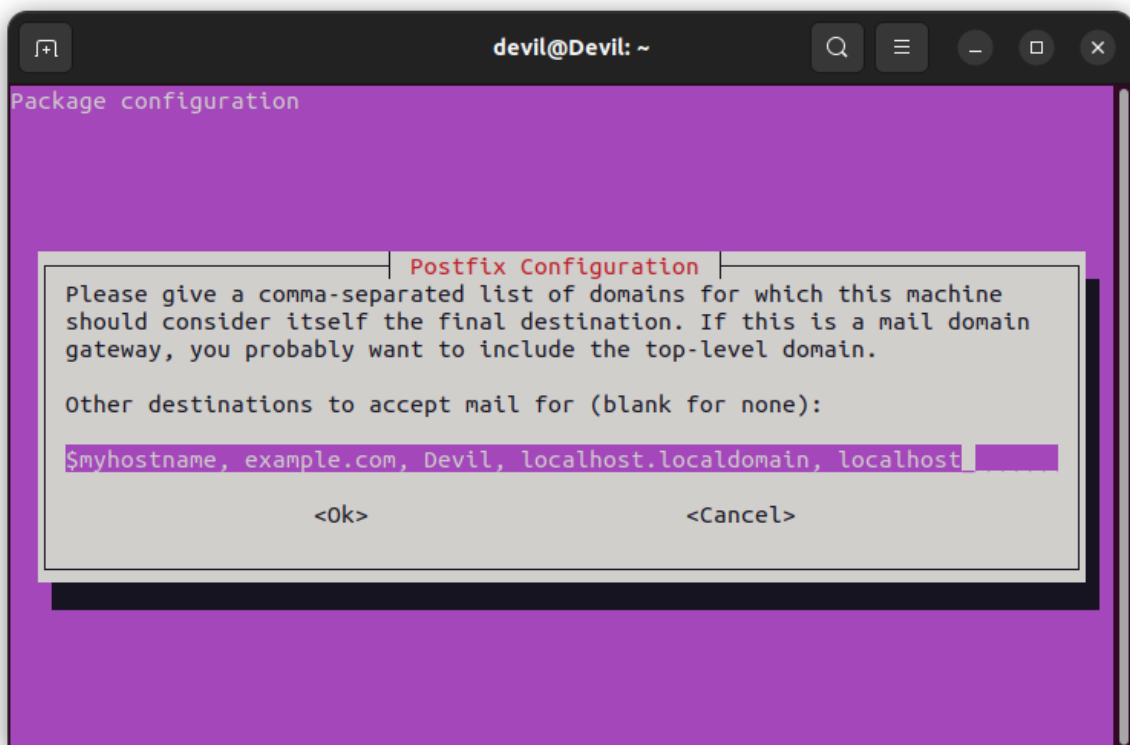
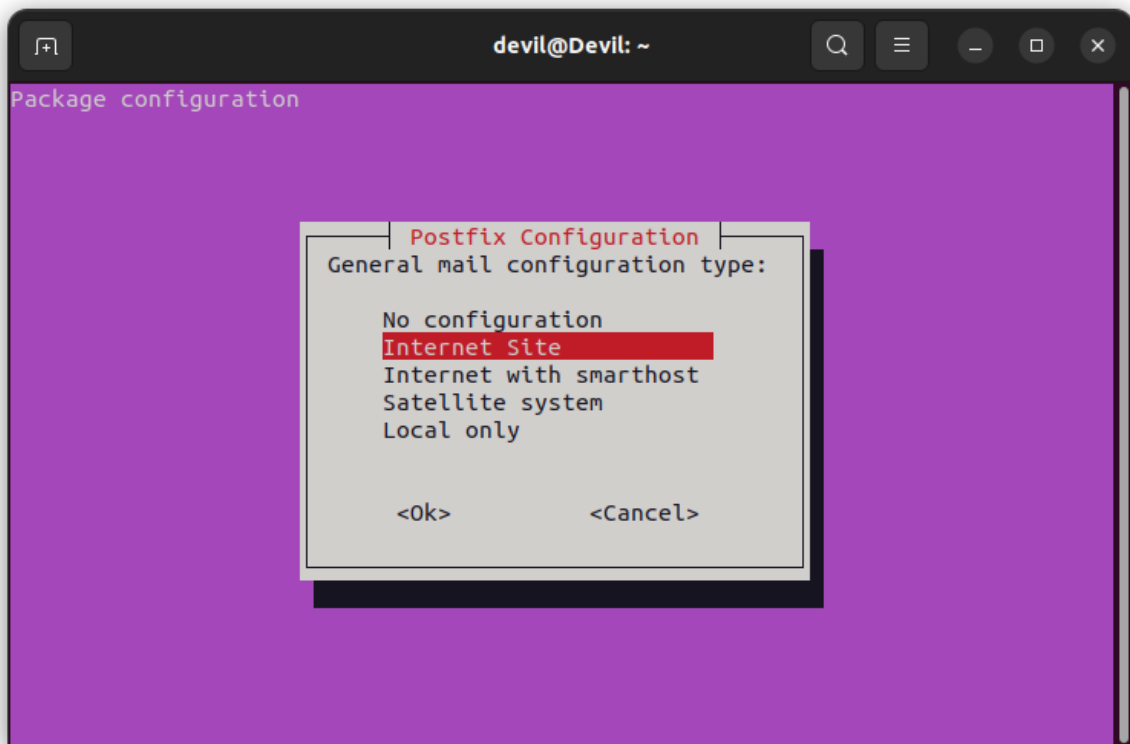
Lab 05OS Lab 5 - Google DocsPHP 8.1.2-1ubuntu2.11 - ph...192.168.56.101/info.php

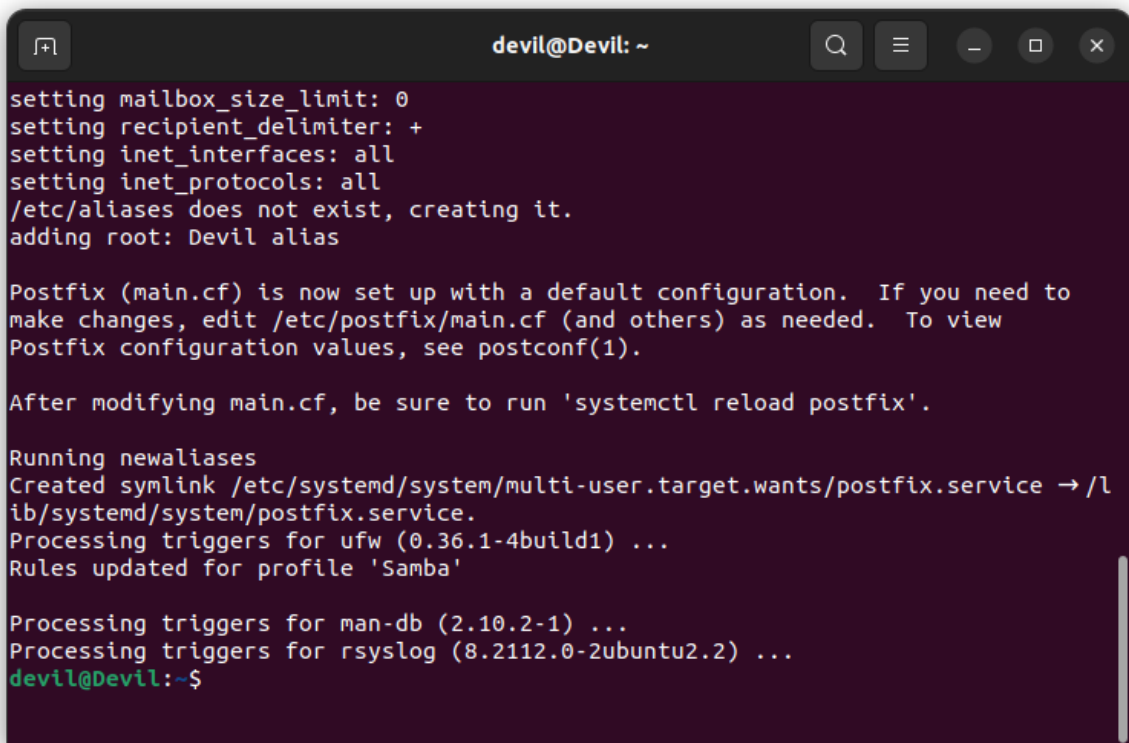
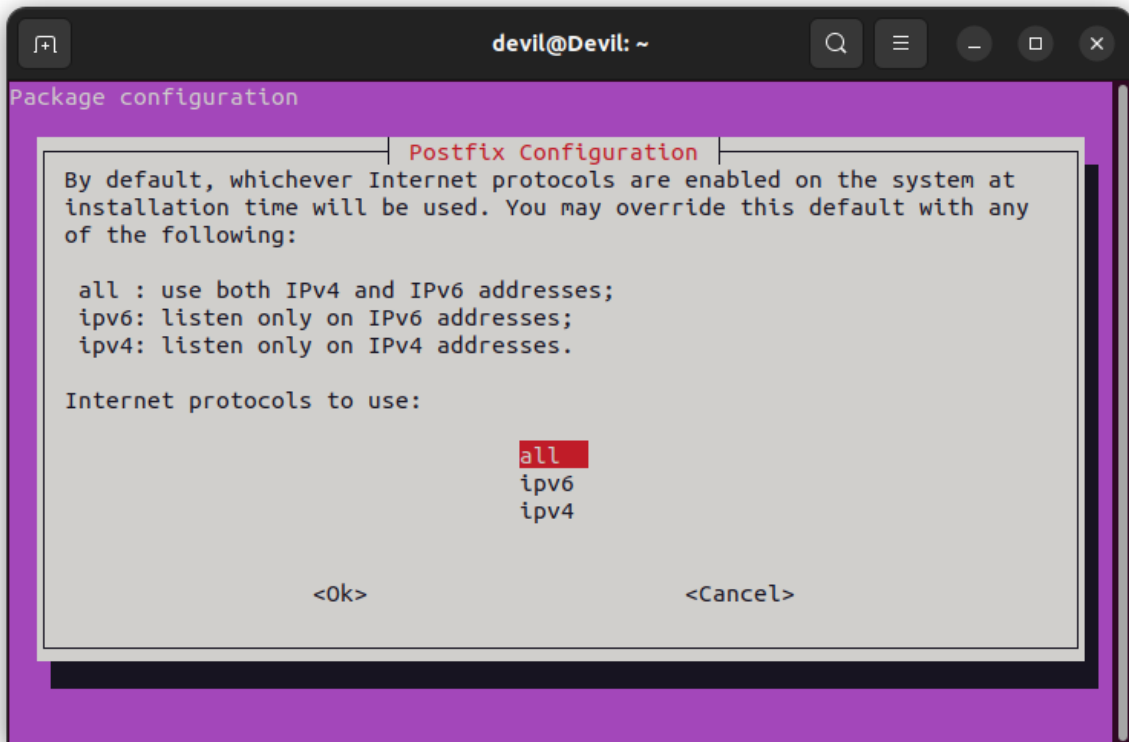
PHP Version 8.1.2-1ubuntu2.11



System	Linux Devil 6.1.12 #1 SMP PREEMPT_DYNAMIC Sat Feb 18 18:01:32 PKT 2023 x86_64
Build Date	Feb 22 2023 22:56:18
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.1/apache2
Loaded Configuration File	/etc/php/8.1/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/8.1/apache2/conf.d
Additional .ini files parsed	/etc/php/8.1/apache2/conf.d/10-mysqlnd.ini, /etc/php/8.1/apache2/conf.d/10-apache.ini, /etc/php/8.1/apache2/conf.d/10-pdo.ini, /etc/php/8.1/apache2/conf.d/20-calendar.ini, /etc/php/8.1/apache2/conf.d/20-ctype.ini, /etc/php/8.1/apache2/conf.d/20-exif.ini, /etc/php/8.1/apache2/conf.d/20-ffi.ini, /etc/php/8.1/apache2/conf.d/20-fileinfo.ini, /etc/php/8.1/apache2/conf.d/20-ftp.ini, /etc/php/8.1/apache2/conf.d/20-gettext.ini, /etc/php/8.1/apache2/conf.d/20-iconv.ini, /etc/php/8.1/apache2/conf.d/20-mysqli.ini, /etc/php/8.1/apache2/conf.d/20-pdo_mysql.ini, /etc/php/8.1/apache2/conf.d/20-phar.ini, /etc/php/8.1/apache2/conf.d/20-posix.ini, /etc/php/8.1/apache2/conf.d/20-readline.ini, /etc/php/8.1/apache2/conf.d/20-shmop.ini, /etc/php/8.1/apache2/conf.d/20-sockets.ini, /etc/php/8.1/apache2/conf.d/20-sysvmsg.ini, /etc/php/8.1/apache2/conf.d/20-sysvsem.ini, /etc/php/8.1/apache2/conf.d/20-sysvshm.ini, /etc/php/8.1/apache2/conf.d/20-tidy.ini, /etc/php/8.1/apache2/conf.d/20-tokenizer.ini
PHP API	20210902
PHP Extension	20210902
Zend Extension	420210902
Zend Extension Build	AP1420210902.NTS
PHP Extension Build	AP120210902.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTrace Support	available, disabled
Registered PHP Streams	https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2, tlsv1.3
Registered Stream Filters	zlib.*, string.rot13, string.toupper, string.tolower, convert.*, consumed, dechunk, convert.iconv.*

This program makes use of the Zend Scripting Language Engine.





```
devil@Devil: ~  
GNU nano 6.2 /etc/postfix/virtual *  
contact@example.com devil  
admin@example.com devil  
  
^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
```

```
devil@Devil:~$ sudo postconf -e 'home_mailbox= Maildir/'  
devil@Devil:~$ sudo postconf -e 'virtual_alias_maps= hash:/etc/postfix/virtua;'  
devil@Devil:~$ sudo postconf -e 'virtual_alias_maps= hash:/etc/postfix/virtual'  
devil@Devil:~$ sudo nano /etc/postfix/virtual  
devil@Devil:~$ sudo postmap /etc/postfix/virtual  
devil@Devil:~$ sudo systemctl restart postfix  
devil@Devil:~$ sudo ufw allow postfix  
Rules updated  
Rules updated (v6)  
devil@Devil:~$
```

```
devil@Devil: ~  
o tee -a /etc/profile.d/maills.h  
export MAIL=~/.Maildir  
devil@Devil:~$ source /etc/profile.d/mail.sh  
bash: /etc/profile.d/mail.sh: No such file or directory  
devil@Devil:~$ echo 'export MAIL=~/.Maildir' | sudo tee -a /etc/bash.bashrc | sud  
o tee -a /etc/profile.d/mail.sh  
export MAIL=~/.Maildir  
devil@Devil:~$ source /etc/profile.d/mail.sh  
devil@Devil:~$ sudo apt install s-nail  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi i965-va-driver  
intel-media-va-driver libaacs0 libaom3 libass9 libavcodec58 libavformat58  
libavutil56 libbdplus0 libblas3 libbluray2 libbs2b0 libchromaprint1  
libcodec2-1.0 libdav1d5 libflashrom1 libflite1 libftdi1-2 libgme0 libgsm1  
libgstreamer-plugins-bad1.0-0 libigdgmm12 liblilv-0-0 libllvm13 libmfx1  
libmysofa1 libnorm1 libopenmpt0 libpcrc2-32-0 libpgm-5.3-0 libpostproc55  
librabbitmq4 librubberband2 libserd-0-0 libshine3 libsnappy1v5 libsord-0-0  
libsratom-0-0 libsrtp1.4-gnutls libssh-gcrypt-4 libswresample3 libswscale5  
libudfread0 libva-drm2 libva-wayland2 libva-x11-2 libva2 libvdpau1  
libvidstab1.1 libx265-199 libxvidcore4 libzimg2 libzmq5 libzvi-common  
libzvi0 linux-image-5.15.0-58-generic linux-image-5.15.0-60-generic
```

```
GNU nano 6.2 /etc/s-nail.rc *  
  
# If mail is send from cron scripts and iconv(3) is compiled it, it could be  
# that sending fails because of invalid (according to locale) character input.  
# This undesired event can be prevented as follows, the (possibly) resulting  
# octet-stream message data can be read nonetheless via  
# *mime-counter-evidence*=0b1111:  
#\if ! terminal && "$LOGNAME" == root  
#  \set mime-force-sendout  
#\endif  
  
# s-it-mode  
set emptystart  
  
set folder=Maildir  
  
set record=+sent  
  
^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
```

```
devil@Devil: ~  
devil@Devil:~$ sudo potmap /etc/postfix/virtual  
sudo: potmap: command not found  
devil@Devil:~$ sudo postmap /etc/postfix/virtual  
devil@Devil:~$ sudo systemctl restart postfix  
devil@Devil:~$ echo 'init' | s-nail -s 'init' -Snorecord Devil  
s-nail: /home/devil/Maildir/sent: No such entry, file or directory  
s-nail: Failed to save message in /home/devil/Maildir/sent - message not sent  
/home/devil/dead.letter 8/133  
devil@Devil:~$ echo 'init' | s-nail -s 'init' -Snorecord devil  
s-nail: /home/devil/Maildir/sent: No such entry, file or directory  
s-nail: Failed to save message in /home/devil/Maildir/sent - message not sent  
/home/devil/dead.letter 8/133  
devil@Devil:~$ echo 'init' | s-nail -s 'init' -Snorecord devil  
devil@Devil:~$ ls -R ~/Maildir  
/home/devil/Maildir:  
cur  new  tmp  
  
/home/devil/Maildir/cur:  
  
/home/devil/Maildir/new:  
1678120494.V803I104515M395138.Devil  
  
/home/devil/Maildir/tmp:  
devil@Devil:~$
```

```
devil@Devil: ~  
You have new mail in /home/devil/Maildir  
devil@Devil:~$ s-nail  
s-nail version v14.9.23. Type '?' for help  
/home/devil/Maildir: 1 message 1 new  
▶N 1 Devil 2023-03-06 21:34 14/376 init  
?  
[-- Message 1 -- 14 lines, 376 bytes --]:  
Date: Mon, 06 Mar 2023 21:34:54 +0500  
To: devil@example.com  
Subject: init  
Message-Id: <20230306163454.599F1104511@Devil>  
From: Devil <devil@example.com>  
  
init  
  
?  
At EOF  
?  
At EOF  
?  
At EOF  
?
```

```
devil@Devil: ~  
s-nail version v14.9.23.  Type '?' for help  
/home/devil/Maildir: 1 message 1 new  
►N 1 Devil          2023-03-06 21:34   14/376   init  
?  
[-- Message 1 -- 14 lines, 376 bytes --]:  
Date: Mon, 06 Mar 2023 21:34:54 +0500  
To: devil@example.com  
Subject: init  
Message-Id: <20230306163454.599F1104511@Devil>  
From: Devil <devil@example.com>  
  
init  
  
?  
At EOF  
?  
At EOF  
?  
At EOF  
? h  
►R 1 Devil          2023-03-06 21:34   14/376   init  
? d  
? q  
devil@Devil:~$ ~
```

```
devil@Devil: ~  
GNU nano 6.2 /home/devil/test_message *  
Hello,  
  
This is a test.please confirm receipt!  
  
^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
```

```
devil@Devil: ~  
devil@Devil:~$ nano ~/test_message  
devil@Devil:~$ cat ~/test_message | s-nail -s 'Test email subject line' -r k213815@nu.edu.pk k213815@nu.edu.pk  
devil@Devil:~$ s-nail  
s-nail version v14.9.23. Type '?' for help  
/home/devil/Maildir: 0 messages  
No more mail.  
? file +sent  
+[/home/devil/Maildir/]sent: 1 message 1 new  
▶N 1 k213815@nu.edu.pk 2023-03-06 21:41 14/285 Test email subject line  
? █
```

TASK 2

```
devil@Devil: ~  
devil@Devil:~$ nano ~/email  
devil@Devil:~$
```

```
GNU nano 6.2 /home/devil/email *  
Hello,  
  
This is a test. Please confirm receipt!!  
  
^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
```

```
devil@Devil: ~  
GNU nano 6.2 /etc/postfix/virtual  
contact@example.com Devil  
  
admin@example.com Devil  
  
devil@example.com k213815@nu.edu.pk  
  
Read 6 lines  
^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
```

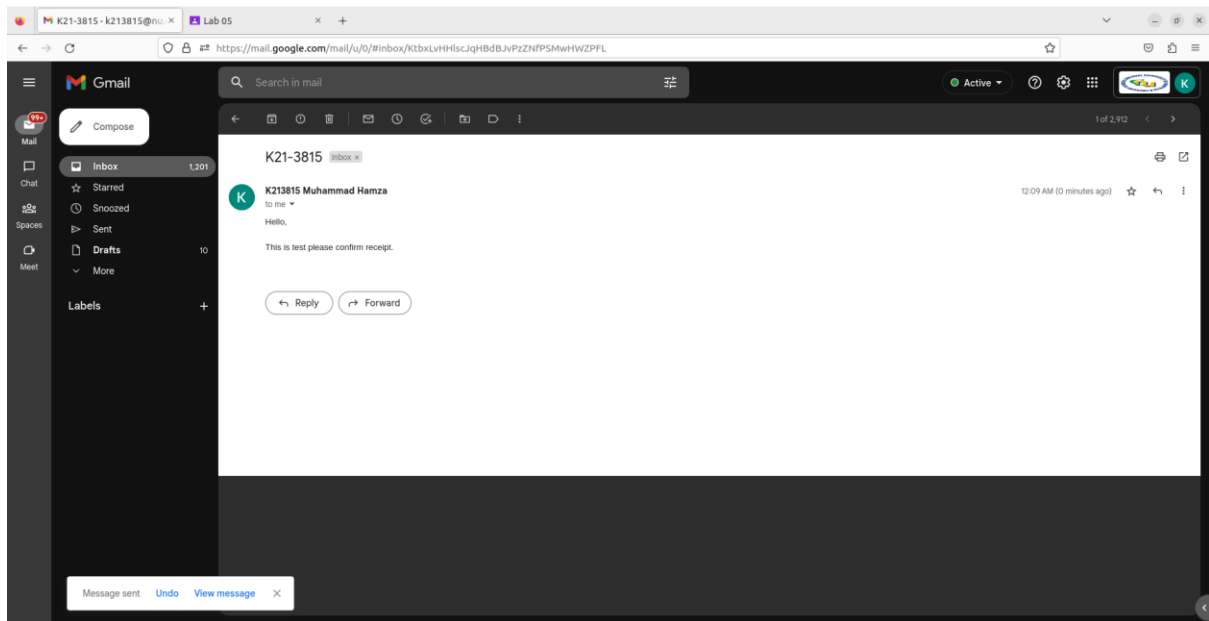
```
devil@Devil: ~  
setting synchronous mail queue updates: false  
mailname is not a fully qualified domain name. Not changing /etc/mailname.  
setting destinations: Devil, example.com, Devil, localhost.localdomain, localhos  
t  
setting relayhost:  
setting mynetworks: 127.0.0.0/8 [::ffff:127.0.0.0]/104 [::1]/128  
setting mailbox_size_limit: 0  
setting recipient_delimiter: +  
setting inet_interfaces: all  
setting inet_protocols: all  
  
Postfix (main.cf) is now set up with the changes above. If you need to make  
changes, edit /etc/postfix/main.cf (and others) as needed. To view Postfix  
configuration values, see postconf(1).  
  
After modifying main.cf, be sure to run 'systemctl reload postfix'.  
  
Running newaliases  
devil@Devil:~$ systemctl reload postfix  
devil@Devil:~$ sudo nano /etc/postfix/virtual  
devil@Devil:~$ sudo postmap /etc/postfix/virtual  
postmap: warning: /etc/postfix/virtual.db: duplicate entry: "admin@example.com"  
devil@Devil:~$ sudo systemctl restart postfix  
devil@Devil:~$
```



```
devil@Devil: ~  
devil@Devil:~$ cat ~/email | s-nail -s 'K213815' k213815@nu.edu.pk  
devil@Devil:~$
```

```
devil@Devil: ~  
You have new mail in /home/devil/Maildir  
devil@Devil:~$ s-nail
```

```
devil@Devil: ~  
end of DATA command)  
[-- #1.2 19/759 message/delivery-status, 7bit, us-ascii --]  
[-- Delivery report --]  
  
[-- No MIME handler installed, or not applicable --]  
  
[-- #1.3 19/473 message/rfc822 --]  
[-- Undelivered Message --]  
  
Date: Mon, 06 Mar 2023 23:19:44 +0500  
From: k213815@nu.edu.pk  
To: k213815@nu.edu.pk  
Subject: K21-3815  
Message-ID: <20230306181944.7hZLS%k213815@nu.edu.pk>  
  
[-- #1.3.1 15/370 text/plain, 7bit, us-ascii --]  
  
Hello,  
  
This is a test. Please confirm receipt!!  
?
```



TASK 3

```
devil@Devil: ~  
devil@Devil:~$ nano ~/email  
devil@Devil:~$
```

```
GNU nano 6.2 /home/devil/email  
Hello,  
  
This is a test. Please confirm receipt!!  
  
[ Read 4 lines ]  
^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
```

```
devil@Devil: ~  
devil@Devil:~$ nano ~/email  
devil@Devil:~$ cat ~/email | s-nail -s 'Test' admin@example.com  
devil@Devil:~$
```

```
devil@Devil: ~  
devil@Devil:~$ cat ~/email | s-nail 'Test' admin@example.com  
devil@Devil:~$ s-nail  
s-nail version v14.9.23. Type '?' for help  
/home/devil/Maildir: 0 messages  
No more mail.  
? file +sent  
+[/home/devil/Maildir/]sent: 1 message 1 new  
►N 1 To Test, admin@exa 2023-03-07 01:27 11/184  
?
```

```
devil@Devil: ~  
?  
[-- Message 1 -- 11 lines, 184 bytes --]:  
Date: Tue, 07 Mar 2023 01:27:16 +0500  
To: Test, admin@example.com  
  
Hello,  
  
This is a test. Please confirm receipt!!  
  
? reply 1 > how are you?  
Subject: retest  
To: devil  
Cc: Test, admin@example.com  
devil wrote:  
  
> Hello,  
>  
>  
> This is a test. Please confirm receipt!!  
>  
h  
█
```

```
devil@Devil: ~  
h  
s-nail:  
s-nail: (Interrupt -- one more to kill letter)  
s-nail: There are messages in the error ring, manageable via 'errors' command  
/home/devil/dead.letter 10/115  
? file +sent  
+[/home/devil/Maildir/]sent updated.  
+[/home/devil/Maildir/]sent: 1 message  
▶0 1 To Test, admin@exa 2023-03-07 01:27 12/195  
?  
[-- Message 1 -- 12 lines, 195 bytes --]:  
Date: Tue, 07 Mar 2023 01:27:16 +0500  
To: Test, admin@example.com  
  
Hello,  
  
This is a test. Please confirm receipt!!  
  
? h  
▶0 1 To Test, admin@exa 2023-03-07 01:27 12/195  
? d  
?  
█
```

TASK 4

```
devil@Devil: ~  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
thunderbird is already the newest version (1:102.7.1+build2-0ubuntu0.22.04.1).  
thunderbird set to manually installed.  
The following packages were automatically installed and are no longer required:  
chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi i965-va-driver  
intel-media-va-driver libaacs0 libaom3 libass9 libavcodec58 libavformat58  
libavutil56 libbdplus0 libblas3 libbluray2 libbs2b0 libchromaprint1  
libcodec2-1.0 libdav1d5 libflashrom1 libflite1 libftdi1-2 libgme0 libgsm1  
libgstreamer-plugins-bad1.0-0 libigdgmm12 liblilv-0-0 libllvm13 libmfx1  
libmysofa1 libnorm1 libopenmpt0 libpcrc2-32-0 libpgm-5.3-0 libpostproc55  
librabbitmq4 librubberband2 libserd-0-0 libshine3 libsnappy1v5 libsord-0-0  
libsratom-0-0 libsrtp1.4-gnutls libssh-gcrypt-4 libswresample3 libswscale5  
libudfread0 libva-drm2 libva-wayland2 libva-x11-2 libva2 libvdpau1  
libvidstab1.1 libx265-199 libxvidcore4 libzing2 libzmq5 libzvbi-common  
libzvbi0 linux-image-5.15.0-58-generic linux-image-5.15.0-60-generic  
linux-modules-5.15.0-58-generic linux-modules-5.15.0-60-generic  
linux-modules-extra-5.15.0-58-generic linux-modules-extra-5.15.0-60-generic  
mesa-va-drivers mesa-va-drivers pocketsphinx-en-us va-driver-all  
vdpau-driver-all  
Use 'sudo apt autoremove' to remove them.  
0 upgraded, 0 newly installed, 0 to remove and 8 not upgraded.  
devil@Devil:~$
```

Account Setup - Mozilla Thunderbird

HomeAccount SetupThunderbird Privacy Notice

Your full name

Muhammad Hamza

Email address

hamzaowais31@gmail.com

Password

☒ Remember password

✓ Configuration found in Mozilla ISP database.

Available configurations

☒ **IMAP**
Keep your folders and emails synced on your server

Incoming

IMAP

SSL/TLS

imap.gmail.com

Outgoing

SMTP

SSL/TLS

smtp.gmail.com

Username

hamzaowais31@gmail.com

☐ **POP3**
Keep your folders and emails on your computer

Configure manually

Cancel

Done

Your credentials will only be stored locally on your computer.

Not sure what to select?
[Setup documentation](#) - [Support forum](#) - [Privacy policy](#)

Inbox

Thunderbird Privacy N X

Get Messages Write Tag Quick Filter

Search <Ctrl+K>

Filter these messages <Ctrl+Shift+K>

hamzaowal...mail.com

Inbox (2967)

[Gmail]

Drafts

Sent Mail

All Mail

Spam

Bin

Important


Starred

Local Folders

Trash

Outbox

	Subject	Correspondents	Date
★	✦ Hamza, welcome to your new...	Google Community Team	15/7/19 23:21
★	✦ assign	Ahsan Rao	21/7/19 16:04
★	✦ Your Google Account was rec...	Google	30/9/19 21:22
★	✦ Security alert	Google	30/9/19 21:22
★	✦ Your Google Account was rec...	Google	3/11/19 20:41
★	✦ Security alert	Google	3/11/19 20:41
★	✦ Security alert	Google	3/11/19 20:41
★	✦ pic	M Shahzaib Shoaib	3/11/19 21:07
★	✦	hamzainnocent60@gmail.c...	3/11/19 21:23
★	✦ Security alert	Google	4/11/19 17:31
★	✦ Hamza, finish setting up y...	Google	4/11/19 17:32
★	✦ AutoCode - Request for access	Mir Hamza (via Google Drive)	4/11/19 17:34
★	✦ Changes to YouTube's Terms...	YouTube	7/11/19 06:21
★	✦ Find out more about our upd...	Google	22/2/20 23:48
★	✦ We have received your respo...	JotForm	19/4/20 17:44
★	✦ We have received your respon...	JotForm	22/4/20 03:33



Welcome to

Thunderbird

Support us!

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Support Us

Thank you for supporting Thunderbird, which is funded by users like you! Producing Thunderbird requires software engineers, designers, system administrators and server infrastructure. So if you like Thunderbird, the best way to ensure Thunderbird remains available is to make a donation.

Donate

Help

Curious about helping? You don't need to be an expert or know how to code to help other users or offer

Unread: 2967 Total: 3414

