Workshop Administrasi Jaringan

WEB SERVER

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4 D3 PSDKU Sumenep

PRODI D3 TEKNIK INFORMATIKA

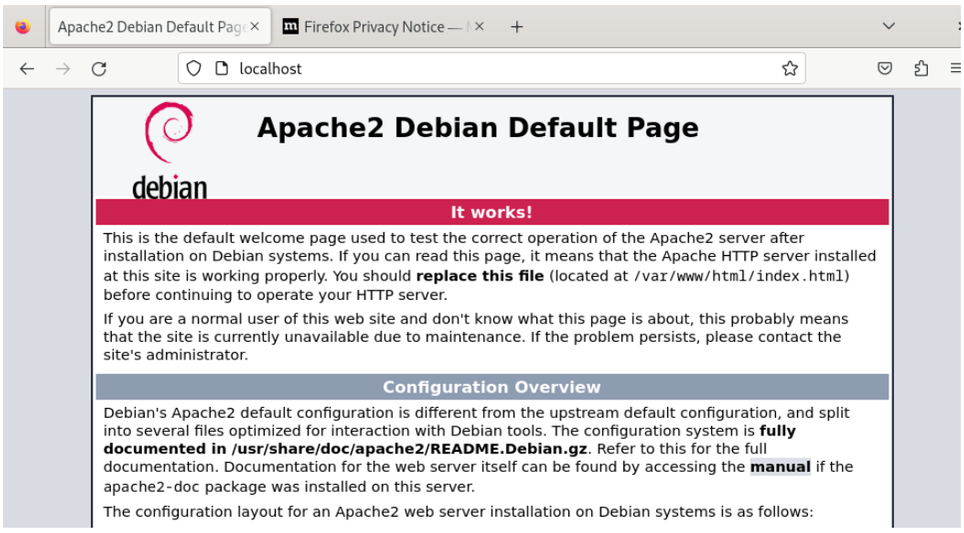
DEPARTEMEN TEKNIK INFORMATIKA DAN KOMPUTER

PENS PSDKU SUMENEP

```
root@shera:~# apt update
Hit:1 http://security.debian.org/debian-security bookworm-security InRelease
Hit:2 http://deb.debian.org/debian bookworm InRelease
Hit:3 http://deb.debian.org/debian bookworm-updates InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
2 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

```
root@shera:~# apt install apache2 php
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-data apache2-utils libapache2-mod-php8.2 php-common php8.2
  php8.2-cli php8.2-common php8.2-opcache php8.2-readline
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom php-pear
The following NEW packages will be installed:
  apache2 apache2-data apache2-utils libapache2-mod-php8.2 php php-common
  php8.2 php8.2-cli php8.2-common php8.2-opcache php8.2-readline
0 upgraded, 11 newly installed, 0 to remove and 2 not upgraded.
Need to get 5,052 kB of archives.
After this operation, 23.1 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://deb.debian.org/debian bookworm/main amd64 apache2-data all 2.4.57-2
 [160 kB]
Get:2 http://deb.debian.org/debian bookworm/main amd64 apache2-utils amd64 2.4.5
7-2 [202 kB]
Get:3 http://deb.debian.org/debian bookworm/main amd64 apache2 amd64 2.4.57-2 [2
15 kB]
```

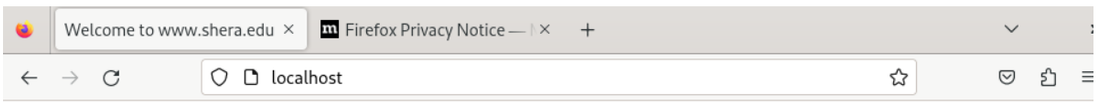
```
root@shera:~# systemctl restart apache2
root@shera:~# systemctl status apache2
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/lib/systemd/system/apache2.service; enabled; preset: enab>
     Active: active (running) since Mon 2024-03-25 11:09:41 WIB; 13s ago
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 13620 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/S>
   Main PID: 13624 (apache2)
      Tasks: 6 (limit: 2285)
     Memory: 12.2M
        CPU: 386ms
     CGroup: /system.slice/apache2.service
             ├─13624 /usr/sbin/apache2 -k start
             ├─13625 /usr/sbin/apache2 -k start
             ├─13626 /usr/sbin/apache2 -k start
             ├─13627 /usr/sbin/apache2 -k start
             ├─13628 /usr/sbin/apache2 -k start
             └─13629 /usr/sbin/apache2 -k start

Mar 25 11:09:41 shera systemd[1]: Starting apache2.service - The Apache HTTP Se>
Mar 25 11:09:41 shera systemd[1]: Started apache2.service - The Apache HTTP Ser>
```



```
root@shera:~# cd /var/www/html/
root@shera:/var/www/html# cp index.html index.html.orig

root@shera:/var/www/html# rm index.html
root@shera:/var/www/html# nano index.html
```

```
  GNU nano 7.2                        index.html *
<html>
<head>
<title>Welcome to www.shera.edu
</title>
</head>
<body>
<h1> Sukses!
<br>
<br>
Website www.shera.edu telah beroperasi </h1>
</body>
</html>
```

```
root@shera:/var/www/html# systemctl restart apache2
root@shera:/var/www/html# systemctl status apache2
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/lib/systemd/system/apache2.service; enabled; preset: enab>
     Active: active (running) since Mon 2024-03-25 11:24:19 WIB; 13s ago
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 14101 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/S>
   Main PID: 14106 (apache2)
      Tasks: 6 (limit: 2285)
     Memory: 14.1M
        CPU: 442ms
     CGroup: /system.slice/apache2.service
             ├─14106 /usr/sbin/apache2 -k start
             ├─14107 /usr/sbin/apache2 -k start
             ├─14108 /usr/sbin/apache2 -k start
             ├─14109 /usr/sbin/apache2 -k start
             ├─14110 /usr/sbin/apache2 -k start
             └─14111 /usr/sbin/apache2 -k start

Mar 25 11:24:19 shera systemd[1]: Starting apache2.service - The Apache HTTP Se>
Mar 25 11:24:19 shera systemd[1]: Started apache2.service - The Apache HTTP Ser>
```



Sukses!

Website www.shera.edu telah beroperasi

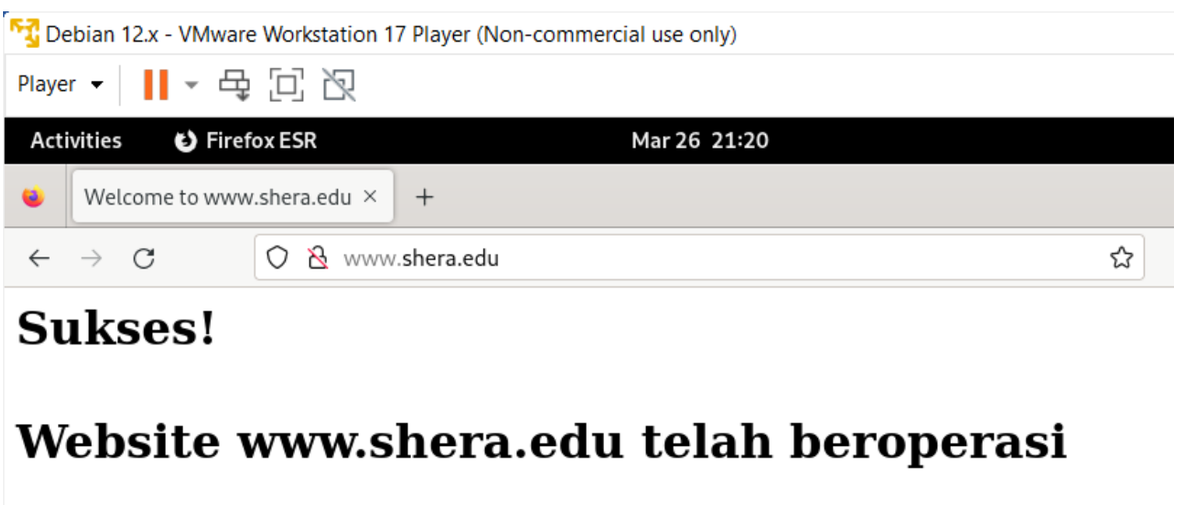
```
shera@shera: /var/www/html
  GNU nano 7.2
# Generated by NetworkManager
search localdomain
#nameserver 192.168.234.2
nameserver 192.168.234.128
```

```
● dnsmasq.service - dnsmasq - A lightweight DHCP and caching DNS server
     Loaded: loaded (/lib/systemd/system/dnsmasq.service; enabled; preset: enabled)
     Active: active (running) since Tue 2024-03-26 18:53:36 WIB; 2h 10min ago
    Process: 3506 ExecStartPre=/etc/init.d/dnsmasq checkconfig (code=exited, status=0/SUCCESS)
    Process: 3514 ExecStart=/etc/init.d/dnsmasq systemd-exec (code=exited, status=0/SUCCESS)
    Process: 3523 ExecStartPost=/etc/init.d/dnsmasq systemd-start-resolvconf (code=exited, status=0/SUC>
   Main PID: 3522 (dnsmasq)
      Tasks: 1 (limit: 2285)
     Memory: 3.2M
        CPU: 252ms
     CGroup: /system.slice/dnsmasq.service
             └─3522 /usr/sbin/dnsmasq -x /run/dnsmasq/dnsmasq.pid -u dnsmasq -7 /etc/dnsmasq.d,.dpkg-di>

Mar 26 18:53:36 shera systemd[1]: Starting dnsmasq.service - dnsmasq - A lightweight DHCP and caching D>
Mar 26 18:53:36 shera dnsmasq[3522]: started, version 2.89 cachesize 1000
Mar 26 18:53:36 shera dnsmasq[3522]: compile time options: IPv6 GNU-getopt DBus no-UBus i18n IDN2 DHCP >
Mar 26 18:53:36 shera dnsmasq[3522]: reading /etc/resolv.conf
Mar 26 18:53:36 shera dnsmasq[3522]: ignoring nameserver 192.168.234.128 - local interface
Mar 26 18:53:36 shera dnsmasq[3522]: read /etc/hosts - 13 names
Mar 26 18:53:36 shera systemd[1]: Started dnsmasq.service - dnsmasq - A lightweight DHCP and caching DN>
Mar 26 19:05:35 shera dnsmasq[3522]: no servers found in /etc/resolv.conf, will retry
Mar 26 20:56:50 shera dnsmasq[3522]: reading /etc/resolv.conf
Mar 26 20:56:51 shera dnsmasq[3522]: using nameserver 192.168.234.2#53
```

```
root@shera:~# ping www.shera.edu
PING www.shera.edu (192.168.234.128) 56(84) bytes of data.
64 bytes from shera.edu (192.168.234.128): icmp_seq=1 ttl=64 time=2.99 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=2 ttl=64 time=0.057 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=3 ttl=64 time=0.086 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=4 ttl=64 time=0.056 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=5 ttl=64 time=0.061 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=6 ttl=64 time=0.050 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=7 ttl=64 time=0.051 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=8 ttl=64 time=0.051 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=9 ttl=64 time=0.053 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=10 ttl=64 time=0.077 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=11 ttl=64 time=0.051 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=12 ttl=64 time=0.067 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=13 ttl=64 time=0.053 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=14 ttl=64 time=0.063 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=15 ttl=64 time=0.128 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=16 ttl=64 time=0.052 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=17 ttl=64 time=0.086 ms
64 bytes from shera.edu (192.168.234.128): icmp_seq=18 ttl=64 time=0.062 ms
^C
--- www.shera.edu ping statistics ---
18 packets transmitted, 18 received, 0% packet loss, time 17394ms
rtt min/avg/max/mdev = 0.050/0.227/2.992/0.670 ms
```

```
  GNU nano 7.2
ServerName www.shera.edu
ServerAdmin webmaster@shera.edu
DocumentRoot /var/www/html
```

```
root@shera:~# systemctl restart apache2
root@shera:~# systemctl status apache2
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/lib/systemd/system/apache2.service; enabled; preset: enabled)
     Active: active (running) since Tue 2024-03-26 21:18:44 WIB; 10s ago
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 4125 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Main PID: 4130 (apache2)
      Tasks: 6 (limit: 2285)
     Memory: 12.1M
        CPU: 299ms
     CGroup: /system.slice/apache2.service
             ├─4130 /usr/sbin/apache2 -k start
             ├─4131 /usr/sbin/apache2 -k start
             ├─4132 /usr/sbin/apache2 -k start
             ├─4133 /usr/sbin/apache2 -k start
             ├─4134 /usr/sbin/apache2 -k start
             └─4135 /usr/sbin/apache2 -k start

Mar 26 21:18:44 shera systemd[1]: Starting apache2.service - The Apache HTTP Server...
Mar 26 21:18:44 shera systemd[1]: Started apache2.service - The Apache HTTP Server.
```



```
root@shera:~# systemctl restart apache2
root@shera:~# systemctl status apache2
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/lib/systemd/system/apache2.service; enabled; preset: enabled)
     Active: active (running) since Tue 2024-03-26 21:23:38 WIB; 10s ago
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 4193 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Main PID: 4198 (apache2)
      Tasks: 6 (limit: 2285)
     Memory: 12.2M
        CPU: 185ms
     CGroup: /system.slice/apache2.service
             ├─4198 /usr/sbin/apache2 -k start
             ├─4199 /usr/sbin/apache2 -k start
             ├─4200 /usr/sbin/apache2 -k start
             ├─4201 /usr/sbin/apache2 -k start
             ├─4202 /usr/sbin/apache2 -k start
             └─4203 /usr/sbin/apache2 -k start

Mar 26 21:23:37 shera systemd[1]: Starting apache2.service - The Apache HTTP Server...
Mar 26 21:23:38 shera systemd[1]: Started apache2.service - The Apache HTTP Server.
```

```
root@shera:~# mkdir /etc/skel/public_html
root@shera:~#
```

```
root@shera:~# cd /home
root@shera:/home# adduser test1
Adding user `test1' ...
Adding new group `test1' (1001) ...
Adding new user `test1' (1001) with group `test1 (1001)' ...
Creating home directory `/home/test1' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for test1
Enter the new value, or press ENTER for the default
       Full Name []:
       Room Number []:
       Work Phone []:
       Home Phone []:
       Other []:
Is the information correct? [Y/n] Y
Adding new user `test1' to supplemental / extra groups `users' ...
Adding user `test1' to group `users' ...
```

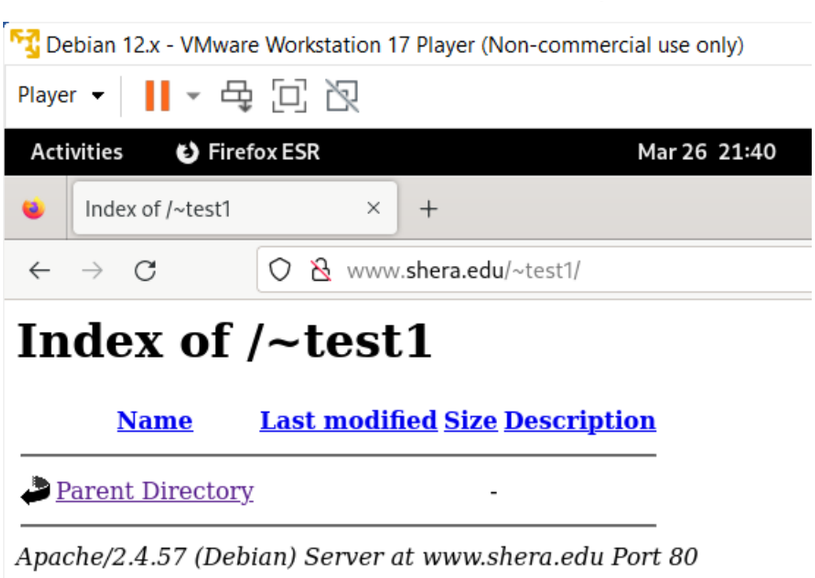
```
root@shera:/home# adduser test2
Adding user `test2' ...
Adding new group `test2' (1002) ...
Adding new user `test2' (1002) with group `test2 (1002)' ...
Creating home directory `/home/test2' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for test2
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
Adding new user `test2' to supplemental / extra groups `users' ...
Adding user `test2' to group `users' ...
root@shera:/home# adduser test3
Adding user `test3' ...
Adding new group `test3' (1003) ...
Adding new user `test3' (1003) with group `test3 (1003)' ...
Creating home directory `/home/test3' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for test3
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
Adding new user `test3' to supplemental / extra groups `users' ...
Adding user `test3' to group `users' ...
```

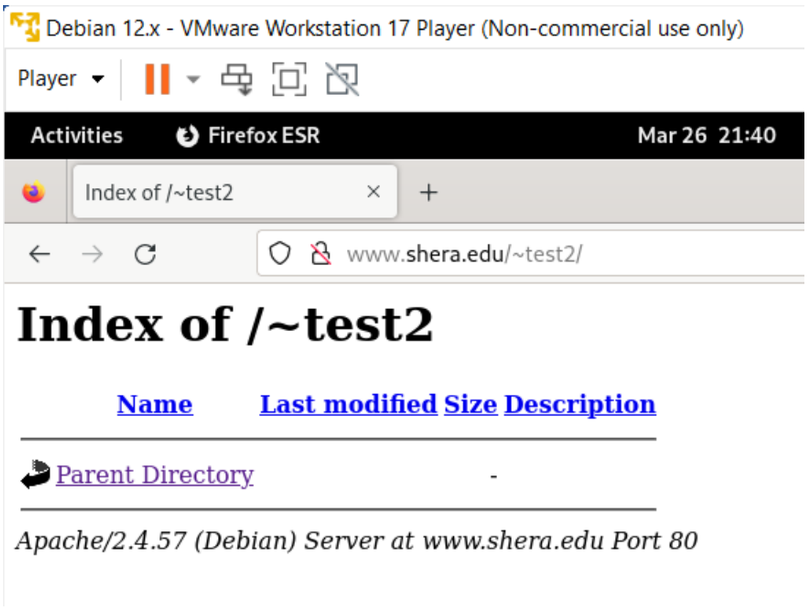
```
root@shera:/home# ls -lR /home/test1/
/home/test1/:
total 4
drwxr-xr-x 2 test1 test1 4096 Mar 26 21:26 public_html

/home/test1/public_html:
total 0
root@shera:/home# ls -lR /home/test2/
/home/test2/:
total 4
drwxr-xr-x 2 test2 test2 4096 Mar 26 21:29 public_html

/home/test2/public_html:
total 0
root@shera:/home# ls -lR /home/test3/
/home/test3/:
total 4
drwxr-xr-x 2 test3 test3 4096 Mar 26 21:30 public_html

/home/test3/public_html:
total 0
```

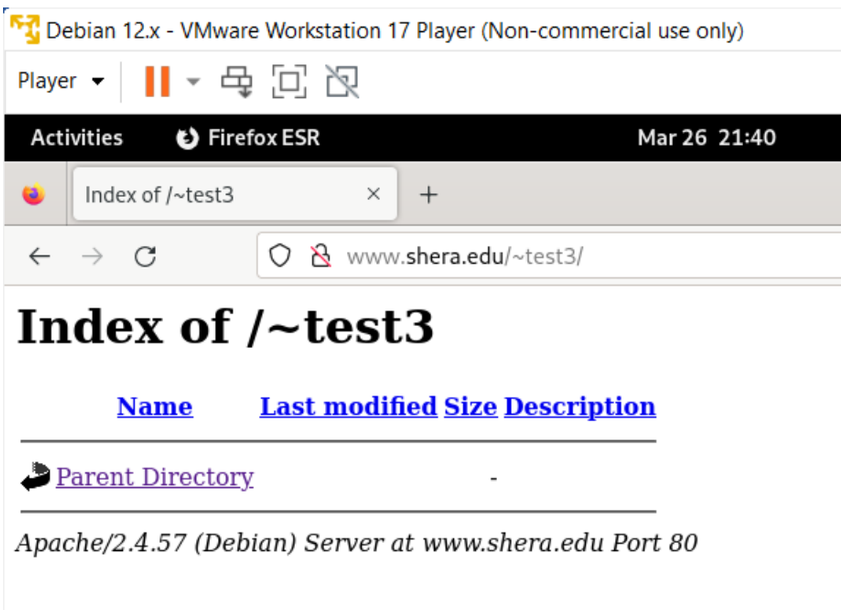
```
root@shera:/home/test1# find . -type d -exec chmod 755 {} \;
root@shera:/home/test1# find . -type f -exec chmod 644 {} \;
root@shera:/home/test1# chown -R root:www-data .
root@shera:/home/test1# ls
public_html
root@shera:/home/test1# ls -l
total 4
drwxr-xr-x 2 root www-data 4096 Mar 26 21:26 public_html
```

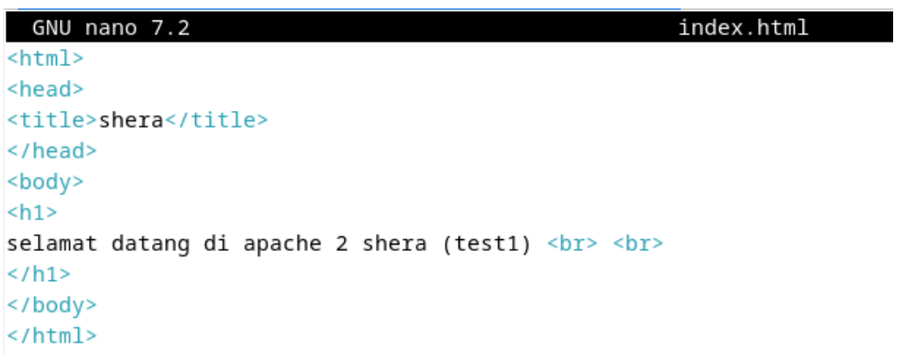
```
root@shera:/home/test2# find . -type d -exec chmod 755 {} \;
root@shera:/home/test2# find . -type f -exec chmod 644 {} \;
root@shera:/home/test2# chown -R root:www-data .
root@shera:/home/test2# ls -l
total 4
drwxr-xr-x 2 root www-data 4096 Mar 26 21:29 public_html
```

```
root@shera:/home# cd test3
root@shera:/home/test3# find . -type d -exec chmod 755 {} \;
root@shera:/home/test3# find . -type f -exec chmod 644 {} \;
root@shera:/home/test3# chown -R root:www-data .
root@shera:/home/test3# ls -l
total 4
drwxr-xr-x 2 root www-data 4096 Mar 26 21:30 public_html
```




Debian 12.x - VMware Workstation 17 Player (Non-commercial use only)
Player
Activities
Firefox ESR
Mar 26 21:40
Index of /~test2
www.shera.edu/~test2/
Index of /~test2
Name
Last modified
Size
Description
Parent Directory
-
Apache/2.4.57 (Debian) Server at www.shera.edu Port 80

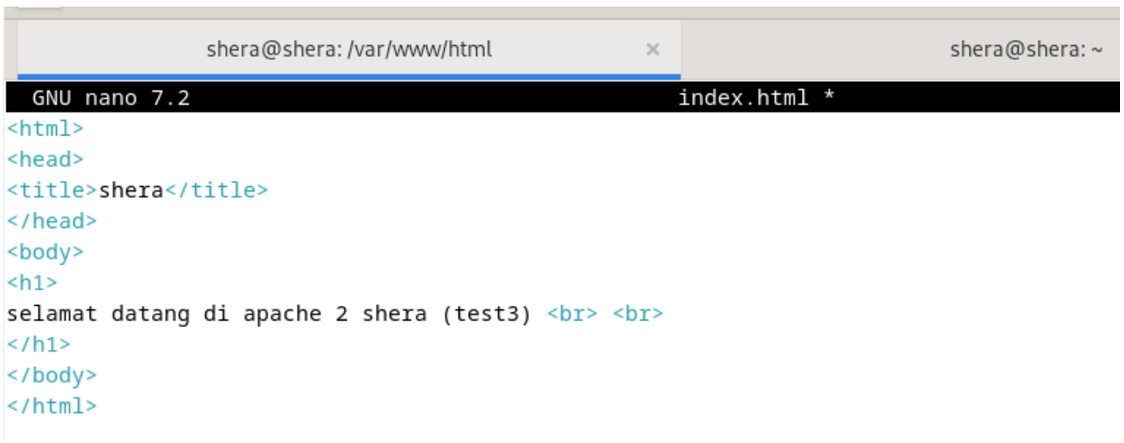

Debian 12.x - VMware Workstation 17 Player (Non-commercial use only)
Player
Activities
Firefox ESR
Mar 26 21:40
Index of /~test3
www.shera.edu/~test3/
Index of /~test3
Name
Last modified
Size
Description
Parent Directory
-
Apache/2.4.57 (Debian) Server at www.shera.edu Port 80


GNU nano 7.2
index.html
<html>
<head>
<title>shera</title>
</head>
<body>
<h1>
selamat datang di apache 2 shera (test1)

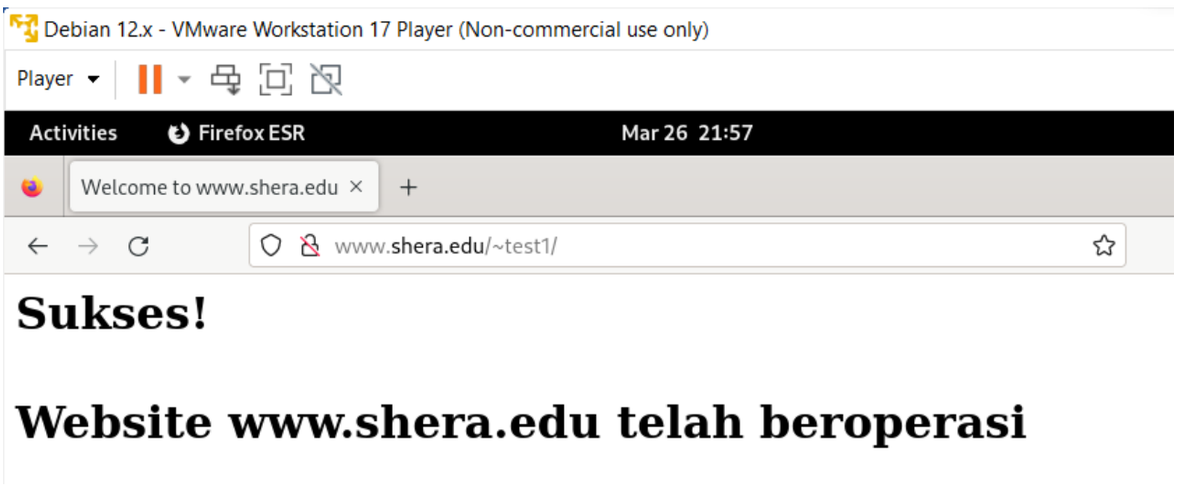
</h1>
</body>
</html>

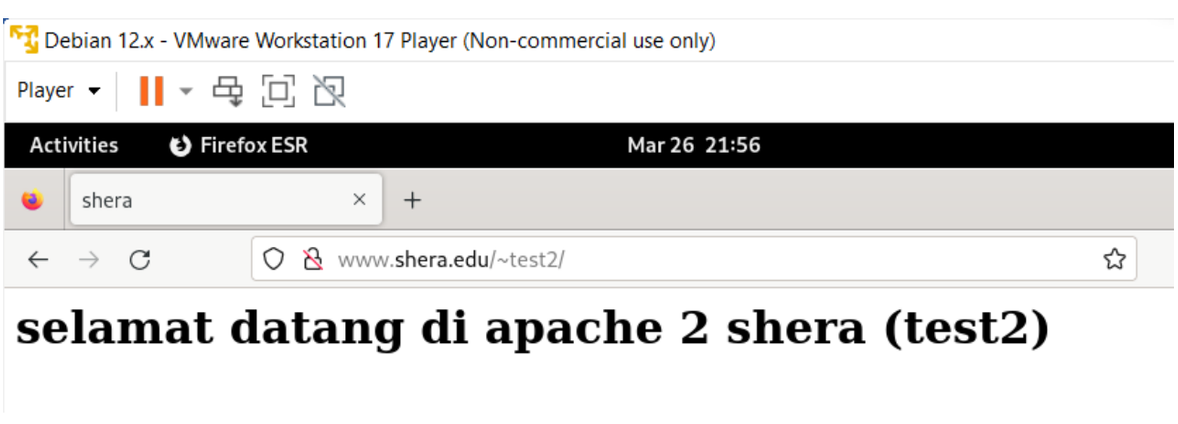

Debian 12.x - VMware Workstation 17 Player (Non-commercial use only)
Player
Activities
Terminal
Mar 26 21:53
shera@shera: /var/www/html
shera@shera: /var/www/html
GNU nano 7.2
index.html
<html>
<head>
<title>shera</title>
</head>
<body>
<h1>
selamat datang di apache 2 shera (test2)

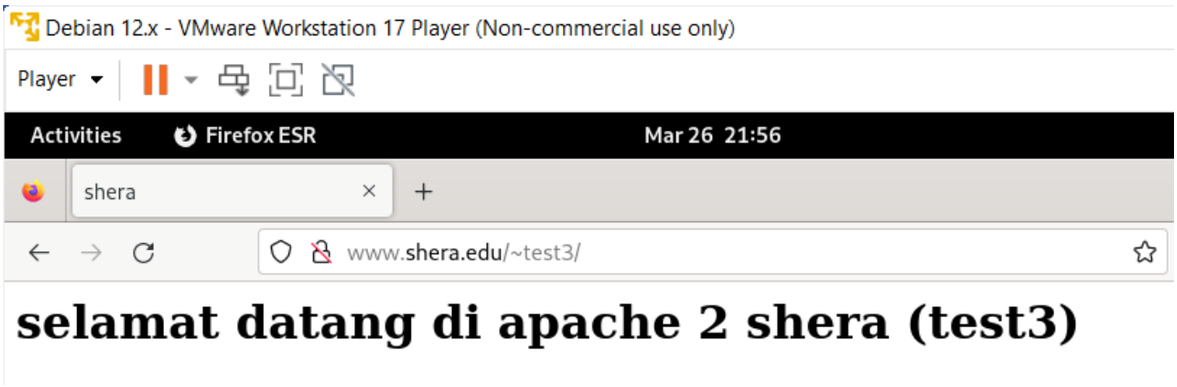
</h1>
</body>
</html>

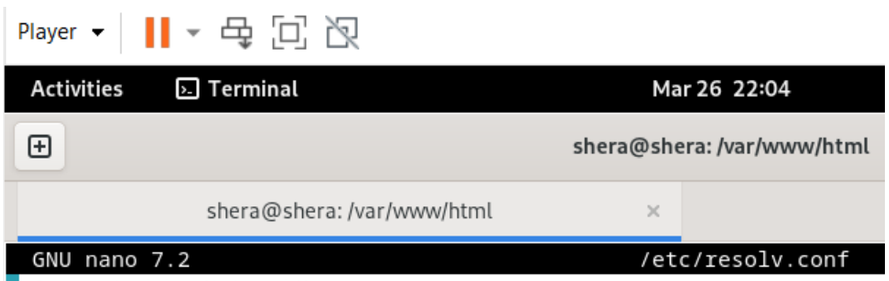

shera@shera: /var/www/html
shera@shera: ~
GNU nano 7.2
index.html *
<html>
<head>
<title>shera</title>
</head>
<body>
<h1>
selamat datang di apache 2 shera (test3)

</h1>
</body>
</html>


Debian 12.x - VMware Workstation 17 Player (Non-commercial use only)
Player
Activities
Firefox ESR
Mar 26 21:57
Welcome to www.shera.edu
www.shera.edu/~test1/
Sukses!
Website www.shera.edu telah beroperasi


Debian 12.x - VMware Workstation 17 Player (Non-commercial use only)
Player
Activities
Firefox ESR
Mar 26 21:56
shera
www.shera.edu/~test2/
selamat datang di apache 2 shera (test2)






```
root@shera:~# systemctl restart dnsmasq
root@shera:~# systemctl status dnsmasq
● dnsmasq.service - dnsmasq - A lightweight DHCP and caching DNS server
     Loaded: loaded (/lib/systemd/system/dnsmasq.service; enabled; preset: enabled)
     Active: active (running) since Tue 2024-03-26 22:05:09 WIB; 14s ago
    Process: 4717 ExecStartPre=/etc/init.d/dnsmasq checkconfig (code=exited, status=0/SUCCESS)
    Process: 4725 ExecStart=/etc/init.d/dnsmasq systemd-exec (code=exited, status=0/SUCCESS)
    Process: 4734 ExecStartPost=/etc/init.d/dnsmasq systemd-start-resolvconf (code=exited, status=0/SUCCES
   Main PID: 4733 (dnsmasq)
      Tasks: 1 (limit: 2285)
     Memory: 816.0K
        CPU: 227ms
     CGroup: /system.slice/dnsmasq.service
             └─4733 /usr/sbin/dnsmasq -x /run/dnsmasq/dnsmasq.pid -u dnsmasq -7 /etc/dnsmasq.d,.dpkg-dist,

Mar 26 22:05:09 shera systemd[1]: Starting dnsmasq.service - dnsmasq - A lightweight DHCP and caching DNS s
Mar 26 22:05:09 shera dnsmasq[4733]: started, version 2.89 cachesize 1000
Mar 26 22:05:09 shera dnsmasq[4733]: compile time options: IPv6 GNU-getopt DBus no-UBus i18n IDN2 DHCP DHC
Mar 26 22:05:09 shera dnsmasq[4733]: reading /etc/resolv.conf
Mar 26 22:05:09 shera dnsmasq[4733]: ignoring nameserver 192.168.234.128 - local interface
Mar 26 22:05:09 shera dnsmasq[4733]: read /etc/hosts - 13 names
Mar 26 22:05:09 shera systemd[1]: Started dnsmasq.service - dnsmasq - A lightweight DHCP and caching DNS s
```

```
  GNU nano 7.2                                    /etc/hosts *
127.0.0.1       localhost
127.0.1.1       shera.shera.net shera

#192.168.234.128 shera.edu
#192.168.234.128 www.shera.edu
192.168.234.128 www.virthost1.com www.virthost2.com www.virthost3.com
192.168.234.128 nsl.shera.edu
192.168.234.128 blog.shera.edu
192.168.234.129 ftp.shera.edu

# The following lines are desirable for IPv6 capable hosts
::1     localhost ip6-localhost ip6-loopback
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
```

```
root@shera:~# ping www.virthost1.com
PING www.virthost1.com (192.168.234.128) 56(84) bytes of data.
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=1 ttl=64 time=2.59 ms
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=2 ttl=64 time=0.065 ms
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=3 ttl=64 time=0.052 ms
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=4 ttl=64 time=0.050 ms
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=5 ttl=64 time=0.052 ms
^C
--- www.virthost1.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4055ms
rtt min/avg/max/mdev = 0.050/0.560/2.585/1.012 ms
root@shera:~# ping www.virthost2.com
PING www.virthost1.com (192.168.234.128) 56(84) bytes of data.
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=1 ttl=64 time=0.032 ms
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=2 ttl=64 time=0.055 ms
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=3 ttl=64 time=0.061 ms
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=4 ttl=64 time=0.065 ms
^C
--- www.virthost1.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3074ms
rtt min/avg/max/mdev = 0.032/0.053/0.065/0.012 ms
root@shera:~# ping www.virthost3.com
PING www.virthost1.com (192.168.234.128) 56(84) bytes of data.
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=1 ttl=64 time=0.539 ms
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=2 ttl=64 time=0.051 ms
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=3 ttl=64 time=0.064 ms
64 bytes from www.virthost1.com (192.168.234.128): icmp_seq=4 ttl=64 time=0.053 ms
^C
--- www.virthost1.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3054ms
rtt min/avg/max/mdev = 0.051/0.176/0.539/0.209 ms
```

```
root@shera:/var/www/html# mkdir www.virthost1.com www.virthost2.com www.virthost3.com
root@shera:/var/www/html# cp index.html www.virthost1.com/
root@shera:/var/www/html# cp index.html www.virthost2.com/
root@shera:/var/www/html# cp index.html www.virthost3.com/
```

```
 GNU nano 7.2                                        index.html *
<html>
<head>
<title>shera</title>
</head>
<body>
<h1>
selamat datang di apache 2 shera (test1) <br> <br>
</h1>
</body>
</html>
```

```
 GNU nano 7.2                                        index.html
<html>
<head>
<title>shera</title>
</head>
<body>
<h1>
selamat datang di apache 2 shera (virthost2) <br> <br>
</h1>
</body>
</html>
```

```
 GNU nano 7.2                                        index.html *
<html>
<head>
<title>shera</title>
</head>
<body>
<h1>
selamat datang di apache 2 shera (virthost3) <br> <br>
</h1>
</body>
</html>
```

```
root@shera:~# cd /etc/apache2/sites-available
root@shera:/etc/apache2/sites-available# ls
000-deafult.conf  000-default.conf  000-default.conf.orig  default-ssl.conf
root@shera:/etc/apache2/sites-available# cp 000-default.conf www.virthost1.com.conf
root@shera:/etc/apache2/sites-available# cp 000-default.conf www.virthost2.com.conf
root@shera:/etc/apache2/sites-available# cp 000-default.conf www.virthost3.com.conf
```

```
 GNU nano 7.2                                  www.virthost1.com.conf *
<VirtualHost *:80>
        # The ServerName directive sets the request scheme, hostname and port that
        # the server uses to identify itself. This is used when creating
        # redirection URLs. In the context of virtual hosts, the ServerName
        # specifies what hostname must appear in the request's Host: header to
        # match this virtual host. For the default virtual host (this file) this
        # value is not decisive as it is used as a last resort host regardless.
        # However, you must set it for any further virtual host explicitly.

        ServerName www.virthost1.com
        ServerAdmin webmaster@virthost1.com
        DocumentRoot /var/www/html/www.virthost1.com
```

```
 GNU nano 7.2                                  www.virthost2.com.conf *
<VirtualHost *:80>
        # The ServerName directive sets the request scheme, hostname and port that
        # the server uses to identify itself. This is used when creating
        # redirection URLs. In the context of virtual hosts, the ServerName
        # specifies what hostname must appear in the request's Host: header to
        # match this virtual host. For the default virtual host (this file) this
        # value is not decisive as it is used as a last resort host regardless.
        # However, you must set it for any further virtual host explicitly.
        ServerName www.virthost2.com
        ServerAdmin webmaster@virthost2.com
        DocumentRoot /var/www/html/www.virthost2.com
```

```
 GNU nano 7.2                                  www.virthost3.com.conf *
<VirtualHost *:80>
        # The ServerName directive sets the request scheme, hostname and port that
        # the server uses to identify itself. This is used when creating
        # redirection URLs. In the context of virtual hosts, the ServerName
        # specifies what hostname must appear in the request's Host: header to
        # match this virtual host. For the default virtual host (this file) this
        # value is not decisive as it is used as a last resort host regardless.
        # However, you must set it for any further virtual host explicitly.
        ServerName www.virthost3.com
        ServerAdmin webmaster@virthost3.com
        DocumentRoot /var/www/html/www.virthost3.com
```

```
root@shera:/etc/apache2/sites-available# a2ensite www.virthost1.com
Enabling site www.virthost1.com.
To activate the new configuration, you need to run:
  systemctl reload apache2
root@shera:/etc/apache2/sites-available# systemctl reload apache2
root@shera:/etc/apache2/sites-available# a2ensite www.virthost2.com
Enabling site www.virthost2.com.
To activate the new configuration, you need to run:
  systemctl reload apache2
root@shera:/etc/apache2/sites-available# systemctl reload apache2
root@shera:/etc/apache2/sites-available# a2ensite www.virthost3.com
Enabling site www.virthost3.com.
To activate the new configuration, you need to run:
  systemctl reload apache2
root@shera:/etc/apache2/sites-available# systemctl reload apache2
```