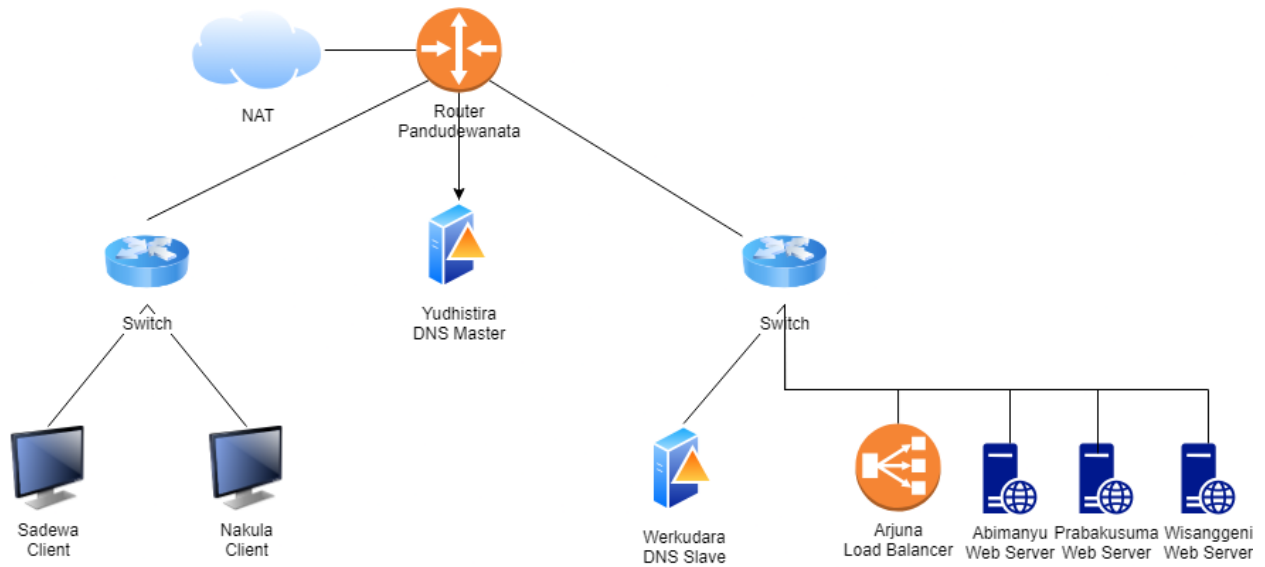
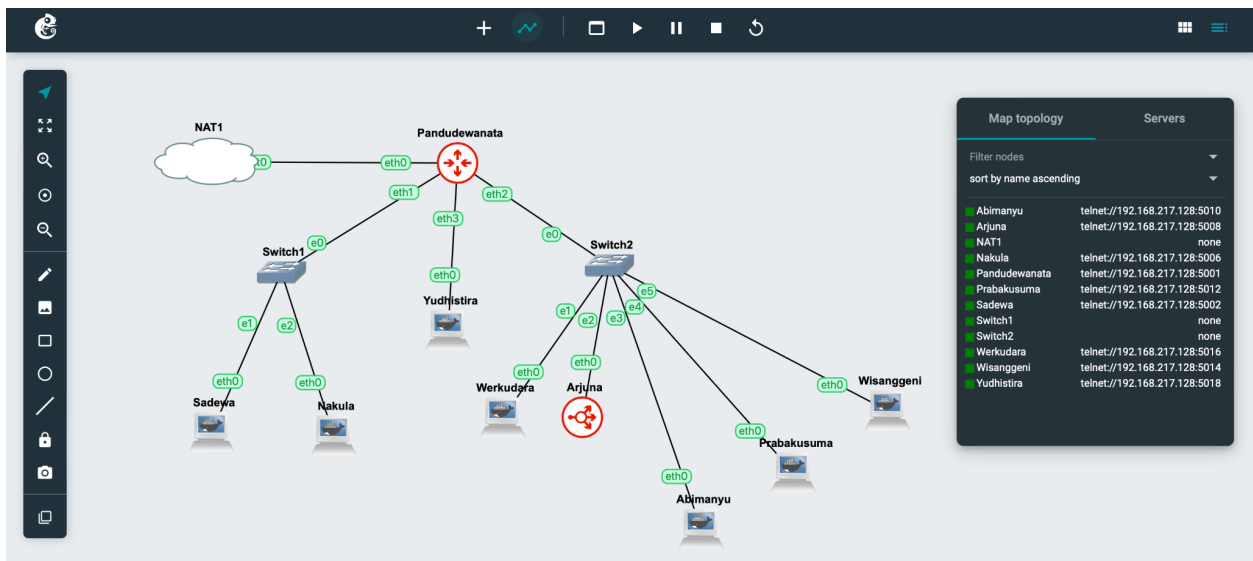


1.



Hasil topologi :



Konfigurasi Network :

Node	Konfigurasi
Pandudewanata	auto eth0 iface eth0 inet dhcp auto eth1 iface eth1 inet static address 10.50.1.1 netmask 255.255.255.0 auto eth2 iface eth2 inet static address 10.50.2.1 netmask 255.255.255.0 auto eth3 iface eth3 inet static address 10.50.3.1 netmask 255.255.255.0
Yudhistira	auto eth0 iface eth0 inet static address 10.50.3.2 netmask 255.255.255.0 gateway 10.50.3.1
Werkudara	auto eth0 iface eth0 inet static address 10.50.2.2 netmask 255.255.255.0 gateway 10.50.2.1
Sadewa	auto eth0 iface eth0 inet static address 10.50.1.2 netmask 255.255.255.0 gateway 10.50.1.1
Nakula	auto eth0 iface eth0 inet static address 10.50.1.3 netmask 255.255.255.0 gateway 10.50.1.1

Arjuna	<pre> auto eth0 iface eth0 inet static address 10.50.2.3 netmask 255.255.255.0 gateway 10.50.2.1 </pre>
Abimanyu	<pre> auto eth0 iface eth0 inet static address 10.50.2.4 netmask 255.255.255.0 gateway 10.50.2.1 </pre>
Prabakusuma	<pre> auto eth0 iface eth0 inet static address 10.50.2.5 netmask 255.255.255.0 gateway 10.50.2.1 </pre>
Wisanggeni	<pre> auto eth0 iface eth0 inet static address 10.50.2.6 netmask 255.255.255.0 gateway 10.50.2.1 </pre>

2. Domain **arjuna.yyy.com**
3. Domain **abimanyu.yyy.com**

Node	Konfigurasi
Yudhistira	<p>Commnad :</p> <pre>- apt-get update && apt install bind9 -y</pre> <p>Konfigurasi bind9 :</p> <pre>/etc/bind/named.conf.local</pre> <pre> zone "arjuna.e27.com" { type master; file "/etc/bind/jarkom/arjuna.e27.com"; }; </pre>

```
zone "abimanyu.e27.com" {
    type master;
    file "/etc/bind/jarkom/abimanyu.e27.com";
};
```

/etc/bind/jarkom/arjuna.e27.com

```
;
; BIND data file for local loopback interface
;
$TTL      604800
@         IN      SOA      arjuna.e27.com. root.arjuna.e27.com. (
                        21      ; Serial
                        604800   ; Refresh
                        86400    ; Retry
                        2419200  ; Expire
                        604800 ) ; Negative Cache TTL
;
@         IN      NS       arjuna.e27.com.
@         IN      A        10.50.3.2
www       IN      CNAME    arjuna.e27.com.
@         IN      AAAA     ::1
```

/etc/bind/jarkom/abimanyu.e27.com

```
;
; BIND data file for local loopback interface
;
$TTL      604800
@         IN      SOA      abimanyu.e27.com. root.abimanyu.e27.com. (
                        212     ; Serial
                        604800   ; Refresh
                        86400    ; Retry
                        2419200  ; Expire
                        604800 ) ; Negative Cache TTL
;
@         IN      NS       abimanyu.e27.com.
@         IN      A        10.50.3.2
www       IN      CNAME    abimanyu.e27.com.
@         IN      AAAA     ::1
```

Hasil ping :

	<pre> root@Nakula:/# ping www.abimanyu.e27.com -c 5 PING www.abimanyu.e27.com (localhost (::1)) 56 data bytes 64 bytes from localhost (::1): icmp_seq=1 ttl=64 time=0.568 ms 64 bytes from localhost (::1): icmp_seq=2 ttl=64 time=0.097 ms 64 bytes from localhost (::1): icmp_seq=3 ttl=64 time=0.142 ms 64 bytes from localhost (::1): icmp_seq=4 ttl=64 time=0.113 ms 64 bytes from localhost (::1): icmp_seq=5 ttl=64 time=0.124 ms --- www.abimanyu.e27.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 4086ms rtt min/avg/max/mdev = 0.097/0.208/0.568/0.181 ms root@Nakula:/# ping www.arjuna.e27.com -c 5 PING www.arjuna.e27.com (localhost (::1)) 56 data bytes 64 bytes from localhost (::1): icmp_seq=1 ttl=64 time=0.033 ms 64 bytes from localhost (::1): icmp_seq=2 ttl=64 time=0.106 ms 64 bytes from localhost (::1): icmp_seq=3 ttl=64 time=0.115 ms 64 bytes from localhost (::1): icmp_seq=4 ttl=64 time=0.122 ms 64 bytes from localhost (::1): icmp_seq=5 ttl=64 time=0.087 ms --- www.arjuna.e27.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 4078ms rtt min/avg/max/mdev = 0.033/0.092/0.122/0.033 ms </pre>
--	--

4. Subdomain Parikesit

Node	Konfigurasi
Yudhistira	<pre> /etc/bind/jarkom/abimanyu.e27.com ; BIND data file for local loopback interface ; \$TTL 604800 @ IN SOA abimanyu.e27.com. root.abimanyu.e27.com. (212 ; Serial 604800 ; Refresh 86400 ; Retry 2419200 ; Expire 604800) ; Negative Cache TTL ; @ IN NS abimanyu.e27.com. @ IN A 10.50.3.2 www IN CNAME abimanyu.e27.com. parikesit IN A 10.50.2.4 @ IN AAAA ::1 </pre> <p>Hasil ping :</p> <pre> root@Nakula:/# ping parikesit.abimanyu.e27.com -c 5 PING parikesit.abimanyu.e27.com (10.50.2.4) 56(84) bytes of data. 64 bytes from 10.50.2.4 (10.50.2.4): icmp_seq=1 ttl=63 time=3.87 ms 64 bytes from 10.50.2.4 (10.50.2.4): icmp_seq=2 ttl=63 time=0.826 ms 64 bytes from 10.50.2.4 (10.50.2.4): icmp_seq=3 ttl=63 time=0.927 ms 64 bytes from 10.50.2.4 (10.50.2.4): icmp_seq=4 ttl=63 time=0.960 ms 64 bytes from 10.50.2.4 (10.50.2.4): icmp_seq=5 ttl=63 time=0.925 ms --- parikesit.abimanyu.e27.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 4007ms rtt min/avg/max/mdev = 0.826/1.501/3.870/1.185 ms </pre>

5. Reverse Domain

Node	Konfigurasi
Yudhistira	<pre> /etc/bind/named.conf.local zone "arjuna.e27.com" { type master; file "/etc/bind/jarkom/arjuna.e27.com"; }; zone "abimanyu.e27.com" { type master; file "/etc/bind/jarkom/abimanyu.e27.com"; }; zone "2.50.10.in-addr.arpa" { type master; file "/etc/bind/jarkom/2.50.10.in-addr.arpa"; }; /etc/bind/jarkom/2.50.10.in-addr.arpa GNU nano 2.9.3 /etc/bind/jarkom/2.50.10.in-addr.arpa ; BIND data file for local loopback interface ; \$TTL 604800 @ IN SOA abimanyu.e27.com. root.abimanyu.e27.com. (2 ; Serial 604800 ; Refresh 86400 ; Retry 2419200 ; Expire 604800) ; Negative Cache TTL ; 2.50.10.in-addr.arpa. IN NS abimanyu.e27.com. 4 IN PTR abimanyu.e27.com. </pre>

6. Pembuatan DNS Slave (Werkudara)

Node	Konfigurasi
Yudhistira	<pre> /etc/bind/named.conf.local zone "arjuna.e27.com" { type master; notify yes; also-notify {10.50.2.2;}; allow-transfer {10.50.2.2;}; file "/etc/bind/jarkom/arjuna.e27.com"; }; </pre>

	<pre> zone "abimanyu.e27.com" { type master; notify yes; also-notify {10.50.2.2;}; allow-transfer {10.50.2.2;}; file "/etc/bind/jarkom/abimanyu.e27.com"; }; </pre>
Werkudara	<pre> /etc/bind/named.conf.local zone "arjuna.e27.com" { type slave; masters {10.50.3.2; }; file "/var/lib/bind/arjuna.e27.com"; }; zone "abimanyu.e27.com" { type slave; masters {10.50.3.2; }; file "/var/lib/bind/abimanyu.e27.com"; }; </pre>

7. Delegasi Baratayuda

Node	Konfigurasi
Yudhistira	<pre> /etc/bind/jarkom/abimanyu.e27.com GNU nano 2.9.3 /etc/bind/jarkom/abimanyu.e27.com ; BIND data file for local loopback interface ; \$TTL 604800 @ IN SOA abimanyu.e27.com. root.abimanyu.e27.com. (212 ; Serial 604800 ; Refresh 86400 ; Retry 2419200 ; Expire 604800) ; Negative Cache TTL ; @ IN NS abimanyu.e27.com. @ IN A 10.50.2.4 www IN CNAME abimanyu.e27.com. parikesit IN A 10.50.2.4 ns1 IN A 10.50.2.2 baratayuda IN NS ns1 ;@ IN AAAA ::1 </pre>

/etc/bind/named.conf.options (DNS Master)

```
GNU nano 2.9.3 /etc/bind/named.conf.options

// the all-0's placeholder.

// forwarders {
// 0.0.0.0;
// };

//=====
// If BIND logs error messages about the root key being expired,
// you will need to update your keys. See https://www.isc.org/bind-keys
//=====
//dnssec-validation auto;
allow-query{ any; };
auth-nxdomain no; # conform to RFC1035
listen-on-v6 { any; };
};
```

/etc/bind/named.conf.options (Delegasi Werkudara)

```
GNU nano 2.9.3 /etc/bind/named.conf.options

// the all-0's placeholder.

// forwarders {
// 0.0.0.0;
// };

//=====
// If BIND logs error messages about the root key being expired,
// you will need to update your keys. See https://www.isc.org/bind-keys
//=====
//dnssec-validation auto;
allow-query { any; };
auth-nxdomain no; # conform to RFC1035
listen-on-v6 { any; };
};
```

/etc/bind/named.conf.local

```
GNU nano 2.9.3 /etc/bind/named.conf.local

masters {10.50.3.2; };
file "/var/lib/bind/arjuna.e27.com";
};

zone "abimanyu.e27.com" {
    type slave;
    masters {10.50.3.2; };
    file "/var/lib/bind/abimanyu.e27.com";
};

zone "baratayuda.abimanyu.e27.com" {
    type master;
    file "/etc/bind/baratayuda/baratayuda.abimanyu.e27.com";
};
```

/etc/bind/baratayuda/baratayuda.abimanyu.e27.com

	<pre> GNU nano 2.9.3 /etc/bind/baratayuda/baratayuda.abimanyu.e27.com ; ; BIND data file for local loopback interface ; \$TTL 604800 @ IN SOA localhost. root.localhost. (2 ; Serial 604800 ; Refresh 86400 ; Retry 2419200 ; Expire 604800) ; Negative Cache TTL ; @ IN NS baratayuda.abimanyu.e27.com. @ IN A 10.50.2.4 www IN CNAME baratayuda.abimanyu.e27.com. </pre>
--	--

8. Ranjapan Baratayuda

Node	Konfigurasi
Werkudara	<pre> /etc/bind/baratayuda/baratayuda.abimanyu.e27.com GNU nano 2.9.3 /etc/bind/baratayuda/baratayuda.abimanyu.e27.com ; ; BIND data file for local loopback interface ; \$TTL 604800 @ IN SOA localhost. root.localhost. (2 ; Serial 604800 ; Refresh 86400 ; Retry 2419200 ; Expire 604800) ; Negative Cache TTL ; @ IN NS baratayuda.abimanyu.e27.com. @ IN A 10.50.2.4 www IN CNAME baratayuda.abimanyu.e27.com. rjp IN A 10.50.2.4 www.rjp IN CNAME rjp @ IN AAAA ::1 </pre> <p>Hasil :</p> <pre> root@Nakula:/# host -t A rjp.baratayuda.abimanyu.e27.com rjp.baratayuda.abimanyu.e27.com has address 10.50.2.4 root@Nakula:/# host -t A www.rjp.baratayuda.abimanyu.e27.com www.rjp.baratayuda.abimanyu.e27.com is an alias for rjp.baratayuda.abimanyu.e27.com. rjp.baratayuda.abimanyu.e27.com has address 10.50.2.4 </pre>

```
Setting up geoip-database (20160408-1) ...
Setting up xml-core (0.13+nmu2) ...
Processing triggers for libc-bin (2.23-0ubuntu1.3) ...
Processing triggers for sgml-base (1.26+nmu4ubuntu1) ...
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  lynx-common
The following NEW packages will be installed:
  lynx lynx-common
0 upgraded, 2 newly installed, 0 to remove and 1 not upgraded.
Need to get 1035 kB of archives.
After this operation, 2761 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu xenial/universe amd64 lynx-common all 2.8.9dev8-4ubuntu1 [411 kB]
Get:2 http://archive.ubuntu.com/ubuntu xenial/universe amd64 lynx amd64 2.8.9dev8-4ubuntu1 [624 kB]
Fetched 1035 kB in 3s (322 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package lynx-common.
(Reading database ... 9317 files and directories currently installed.)
Preparing to unpack .../lynx-common-2.8.9dev8-4ubuntu1_all.deb ...
Unpacking lynx-common (2.8.9dev8-4ubuntu1) ...
Selecting previously unselected package lynx.
Preparing to unpack .../lynx-2.8.9dev8-4ubuntu1_amd64.deb ...
Unpacking lynx (2.8.9dev8-4ubuntu1) ...
Processing triggers for mime-support (3.59ubuntu1) ...
Setting up lynx-common (2.8.9dev8-4ubuntu1) ...
Setting up lynx (2.8.9dev8-4ubuntu1) ...
update-alternatives: using /usr/bin/lynx to provide /usr/bin/www-browser (www-browser) in auto mode
root@nakula:~# ping google.com -c 5
PING google.com (142.250.4.101) 56(84) bytes of data.
64 bytes from 142.250.4.101: icmp_seq=1 ttl=100 time=50.6 ms
64 bytes from 142.250.4.101: icmp_seq=2 ttl=100 time=51.1 ms
64 bytes from 142.250.4.101: icmp_seq=3 ttl=100 time=52.0 ms
64 bytes from 142.250.4.101: icmp_seq=4 ttl=100 time=49.0 ms
64 bytes from 142.250.4.101: icmp_seq=5 ttl=100 time=66.6 ms

--- google.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 15062ms
rtt min/avg/max/mdev = 49.036/53.903/66.609/6.436 ms
root@nakula:~#
```

```
root@abimanyu:~#
root@abimanyu:~#
root@abimanyu:~# ping abimanyu.e27.com -c 5
PING abimanyu.e27.com (10.50.2.2) 56(84) bytes of data.
64 bytes from 10.50.2.2: icmp_seq=1 ttl=63 time=0.134 ms
64 bytes from 10.50.2.2: icmp_seq=2 ttl=63 time=0.282 ms
64 bytes from 10.50.2.2: icmp_seq=3 ttl=63 time=0.355 ms
64 bytes from 10.50.2.2: icmp_seq=4 ttl=63 time=0.162 ms
64 bytes from 10.50.2.2: icmp_seq=5 ttl=63 time=0.326 ms

--- abimanyu.e27.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4093ms
rtt min/avg/max/mdev = 0.134/0.251/0.355/0.090 ms
root@abimanyu:~# ping www.abimanyu.e27.com -c 5
PING abimanyu.e27.com (10.50.2.2) 56(84) bytes of data.
64 bytes from 10.50.2.2: icmp_seq=1 ttl=63 time=0.228 ms
64 bytes from 10.50.2.2: icmp_seq=2 ttl=63 time=0.385 ms
64 bytes from 10.50.2.2: icmp_seq=3 ttl=63 time=0.222 ms
64 bytes from 10.50.2.2: icmp_seq=4 ttl=63 time=0.237 ms
64 bytes from 10.50.2.2: icmp_seq=5 ttl=63 time=0.476 ms

--- abimanyu.e27.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4078ms
rtt min/avg/max/mdev = 0.222/0.309/0.476/0.104 ms
root@abimanyu:~#
```

```
rtt min/avg/max/mdev = 0.222/0.303/0.476/0.104 ms
root@abimanyu:~# ping parikesit.abimanyu.e27.com -c 5
PING parikesit.abimanyu.e27.com (10.50.3.4) 56(84) bytes of data.
64 bytes from 10.50.3.4: icmp_seq=1 ttl=64 time=0.012 ms
64 bytes from 10.50.3.4: icmp_seq=2 ttl=64 time=0.040 ms
64 bytes from 10.50.3.4: icmp_seq=3 ttl=64 time=0.053 ms
```

```
root@nakula:~# host -t PTR 10.50.3.3
3.3.50.10.in-addr.arpa. points to abimanyu.e27.com.
root@nakula:~#
```

```
root@Yudhistira:~# service bind9 stop
* Stopping domain name service... bind9
root@Yudhistira:~# [ OK ]
```

```
root@abimanyu:~# ping www.abimanyu.e27.com -c 5
PING abimanyu.e27.com (10.50.2.2) 56(84) bytes of data.
64 bytes from 10.50.2.2: icmp_seq=1 ttl=63 time=2.69 ms
64 bytes from 10.50.2.2: icmp_seq=2 ttl=63 time=0.385 ms
64 bytes from 10.50.2.2: icmp_seq=3 ttl=63 time=0.460 ms
64 bytes from 10.50.2.2: icmp_seq=4 ttl=63 time=0.228 ms
64 bytes from 10.50.2.2: icmp_seq=5 ttl=63 time=0.174 ms

--- abimanyu.e27.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4052ms
rtt min/avg/max/mdev = 0.174/0.788/2.696/0.959 ms
root@abimanyu:~#
```

```
root@nakula:~# ping baratayuda.abimanyu.e27.com
PING baratayuda.abimanyu.e27.com (10.50.3.4) 56(84) bytes of data.
64 bytes from 10.50.3.4: icmp_seq=1 ttl=63 time=0.230 ms
64 bytes from 10.50.3.4: icmp_seq=2 ttl=63 time=0.541 ms
64 bytes from 10.50.3.4: icmp_seq=3 ttl=63 time=0.203 ms
64 bytes from 10.50.3.4: icmp_seq=4 ttl=63 time=0.496 ms
64 bytes from 10.50.3.4: icmp_seq=5 ttl=63 time=0.376 ms
64 bytes from 10.50.3.4: icmp_seq=6 ttl=63 time=0.363 ms
64 bytes from 10.50.3.4: icmp_seq=7 ttl=63 time=0.279 ms
```

```
root@nakula:~# ping www.rjp.baratayuda.abimanyu.e27.com
PING rjp.baratayuda.abimanyu.e27.com (10.50.3.4) 56(84) bytes of data.
64 bytes from 10.50.3.4: icmp_seq=1 ttl=63 time=0.350 ms
64 bytes from 10.50.3.4: icmp_seq=2 ttl=63 time=0.455 ms
64 bytes from 10.50.3.4: icmp_seq=3 ttl=63 time=0.231 ms
64 bytes from 10.50.3.4: icmp_seq=4 ttl=63 time=0.430 ms
64 bytes from 10.50.3.4: icmp_seq=5 ttl=63 time=0.237 ms
^C
--- rjp.baratayuda.abimanyu.e27.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4089ms
rtt min/avg/max/mdev = 0.231/0.340/0.455/0.095 ms
root@nakula:~#
```

```
Hello World!  
Saat ini berada di: prabakusuma  
Versi PHP yang saya gunakan: 7.0.33-0ubuntu0.16.04.16
```

```
Commands: Use arrow keys to move, '?' for help, 'q' to quit, '<-' to go back.
```

```
Arrow keys: Up and Down to move. Right to follow a link; Left to go back.  
H)elp O)ptions P)rint G)o M)ain screen Q)uit /=search [delete]=history list
```

```
Hello World!  
Saat ini berada di: abimanyu  
Versi PHP yang saya gunakan: 7.0.33-0ubuntu0.16.04.16
```

```
Commands: Use arrow keys to move, '?' for help, 'q' to quit, '<-' to go back.
```

```
Arrow keys: Up and Down to move. Right to follow a link; Left to go back.  
H)elp O)ptions P)rint G)o M)ain screen Q)uit /=search [delete]=history list
```

Looking up internettepat.telkomsel.com

WISE's Best Agent

Hohoho!!!

Akulah Abimanyu

Commands: Use arrow keys to move, '?' for help, 'q' to quit, '<-' to go back.

Arrow keys: Up and Down to move. Right to follow a link; Left to go back.
H)elp O)ptions P)rint G)o M)ain screen Q)uit /=search [delete]=history list

lynx lewat nakula

```
WISÉ's Best Agent
Hohoho!!!

Akulah Abimanyu

Commands: Use arrow keys to move, '?' for help, 'q' to quit, '<-' to go back.
Arrow keys: Up and Down to move. Right to follow a link; Left to go back.
H)elp O)ptions P)rint G)o M)ain screen Q)uit /=search [delete]=history list
```

Ping parikesit

```
WISÉ's Best Agent
Hohoho!!!

Akulah Abimanyu

Commands: Use arrow keys to move, '?' for help, 'q' to quit, '<-' to go back.
Arrow keys: Up and Down to move. Right to follow a link; Left to go back.
H)elp O)ptions P)rint G)o M)ain screen Q)uit /=search [delete]=history list
```

```
Index of /
Index of /

[ICO] Name Last modified Size Description
-----
[DIR] error/ 2023-10-09 19:47 -
[DIR] parikesit.abimanyu.yyy.com/ 2023-10-17 09:21 -
[DIR] public/ 2023-10-09 19:45 -
[DIR] secret/ 2023-10-17 09:19 -
-----

Apache/2.4.18 (Ubuntu) Server at parikesit.abimanyu.e27.com Port 80

Commands: Use arrow keys to move, '?' for help, 'q' to quit, '<-' to go back.
Arrow keys: Up and Down to move. Right to follow a link; Left to go back.
H)elp O)ptions P)rint G)o M)ain screen Q)uit /=search [delete]=history list
```

```
[ICO] Name Last modified Size Description
-----
[PARENTDIR] Parent Directory -
[ ] autocomplete.js 2023-10-09 19:43 539
[ ] js.js 2023-10-09 19:43 4.2K
[ ] reddit.js 2023-10-09 19:43 580
-----

Apache/2.4.18 (Ubuntu) Server at parikesit.abimanyu.e27.com Port 80

Commands: Use arrow keys to move, '?' for help, 'q' to quit, '<-' to go back.
Arrow keys: Up and Down to move. Right to follow a link; Left to go back.
H)elp O)ptions P)rint G)o M)ain screen Q)uit /=search [delete]=history list
```

Index of /

[ICO]	Name	Last modified	Size	Description
-------	------	---------------	------	-------------

[]	anya-bond.webp	2023-10-09 19:46	7.4K	
[IMG]	loid.png	2023-10-09 19:46	384K	
[DIR]	rjp.baratayuda.abimanyu.yyy.com/	2023-10-17 11:55	-	
[SND]	waku.mp3	2023-10-09 19:46	19K	
[IMG]	yor.jpg	2023-10-09 19:46	35K	

Apache/2.4.18 (Ubuntu) Server at rjp.baratayuda.abimanyu.e27.com Port 14400

Commands: Use arrow keys to move, '?' for help, 'q' to quit, '<-' to go back.

Arrow keys: Up and Down to move. Right to follow a link; Left to go back.
H)elp O)ptions P)rint G)o M)ain screen Q)uit /=search [delete]=history list