

Kelompok 2

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Perintah Dasar

1. `Date>tanggal` = date dapat dimunculkan dengan menggunakan perintah tanggal.
`cat tanggal` = memunculkan date yang sudah di ubah menjadi tanggal pada perintah diatas.

```
root@debian:/home/rendy# date>tanggal
root@debian:/home/rendy# cat tanggal
Kam Okt 24 13:40:36 WIB 2019
root@debian:/home/rendy#
```

2. `date<tanggal` = memunculkan waktu yang sudah didefinisikan tadi pada perintah awal.

```
debian 2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
root@debian:/home/rendy# date<tanggal
Kam Okt 24 13:45:22 WIB 2019
root@debian:/home/rendy# _
```

3. `ls [abc]*.txt` = berguna untuk menampilkan seluruh file dengan format txt dengan huruf awalan abc. Dalam hal ini kami menggunakan mms (mobil,motor,sepeda).

```
root@debian:/home/rendy# ls [ms]*.txt
mobil.txt motor.txt sepeda.txt
root@debian:/home/rendy# ls [ms].txt
ls: tidak dapat mengakses [ms].txt: Tidak ada berkas atau direktori seperti itu
root@debian:/home/rendy# ls [ms]*.txt
mobil.txt motor.txt sepeda.txt
root@debian:/home/rendy#
```

4. `ls a*.txt`= berguna untuk menampilkan seluruh file dengan format txt dengan huruf awalan a. dalam hal ini, kami menggunakan s(sepeda).

```
root@debian:/home/rendy# ls s*.txt
sepeda.txt
root@debian:/home/rendy# _
```

5. Menampilkan `**+System Operasi Linux+**`

```
root@debian:/home/rendy# **+System Operas Linux+**
-bash: **+System: perintah tidak ditemukan
root@debian:/home/rendy# echo **+System Operasi Linux+**
**+System Operasi Linux+**
root@debian:/home/rendy# _
```

6. Menampilkan sistem operasi windows sekitar \$75

```
root@debian:/home/rendy# **+System Operas Linux+**
-bash: **+System: perintah tidak ditemukan
root@debian:/home/rendy# echo **+System Operasi Linux+**
**+System Operasi Linux+**
root@debian:/home/rendy# echo Harga sistem operasi windows sekitar "$"75
Harga sistem operasi windows sekitar $75
root@debian:/home/rendy# _
```

7. Menampilkan Selamat Datang Mahasiswa\i Baru di Universitas Singaperbangsa Karawang

```
root@debian:/home/rendy# echo "Selamat Datang Mahasiswa\i Baru di Universitas Singaperbangsa Karawang"
Selamat Datang Mahasiswa\i Baru di Universitas Singaperbangsa Karawang
root@debian:/home/rendy#
```

8. `ls -l; date ; who>linux1` : menampilkan direktori list file, waktu, dan tanggal pembuatan sesuai dengan banyaknya file yang terdapat pada direktori tersebut dengan nama linux1

```
root@debian:/home/rendy# ls -l; date ; who > linux1
total 16
-rw-r--r-- 1 root root  8 Okt 24 13:47 mobil.txt
-rw-r--r-- 1 root root  6 Okt 24 13:48 motor.txt
-rw-r--r-- 1 root root  7 Okt 24 13:49 sepeda.txt
-rw-r--r-- 1 root root 29 Okt 24 13:40 tanggal
Kam Okt 24 14:08:26 WIB 2019
root@debian:/home/rendy# _
```

9. cat linux1: menampilkan tanggal dibuatnya linux 1

```
root@debian:/home/rendy# cat linux1
root      tty1      2019-10-24 13:26
root@debian:/home/rendy# _
```

10. (ls-l ;date; who > linux2;) : : menampilkan direktori list file, waktu, dan tanggal pembuatan sesuai dengan banyaknya file yang terdapat pada direktori tersebut dengan nama linux2, termasuk dengan linux 1 yang dibuat tadi.

```
oot@debian:/home/rendy# (ls -l ; date ; who > linux2; )
total 24
-rw-r--r-- 1 root root 39 Okt 24 14:08 linux1
-rw-r--r-- 1 root root 39 Okt 24 14:09 linux2
-rw-r--r-- 1 root root  8 Okt 24 13:47 mobil.txt
-rw-r--r-- 1 root root  6 Okt 24 13:48 motor.txt
-rw-r--r-- 1 root root  7 Okt 24 13:49 sepeda.txt
-rw-r--r-- 1 root root 29 Okt 24 13:40 tanggal
am Okt 24 14:19:04 WIB 2019
oot@debian:/home/rendy#
```

11. Cat linux2: menampilkan tanggal dibuatnya linux 2

```
Kam Okt 24 14:19:04 WIB 2019
root@debian:/home/rendy# cat linux2
root      tty1      2019-10-24 13:26
root@debian:/home/rendy#
```

12. A) ipconfig: untuk menampilkan konfigurasi jaringan.

```
root@debian:/home/rendy# ifconfig
eth0      Link encap:Ethernet  HWaddr 08:00:27:04:31:7c
          inet addr:10.0.2.15  Bcast:10.0.2.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe04:317c/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:2 errors:0 dropped:0 overruns:0 frame:0
          TX packets:11 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:1180 (1.1 KiB)  TX bytes:1482 (1.4 KiB)

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:24 errors:0 dropped:0 overruns:0 frame:0
          TX packets:24 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:1584 (1.5 KiB)  TX bytes:1584 (1.5 KiB)
```

B) Netstat: menampilkan status network mana yang terhubung dan tidak terhubung.

```
root@debian:/home/rendy# netstat
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags     Type       State          I-Node  Path
unix  2      [ ]      DGRAM          7719          /run/systemd/notify
unix  2      [ ]      DGRAM          7737          /run/systemd/shutdown
unix  6      [ ]      DGRAM          7739          /run/systemd/journal/dev-log
unix  5      [ ]      DGRAM          7748          /run/systemd/journal/socket
unix  2      [ ]      DGRAM          8084          /run/systemd/journal/syslog
unix  3      [ ]      STREAM  CONNECTED      10615
unix  3      [ ]      STREAM  CONNECTED      10656          /run/systemd/journal/stdout
unix  3      [ ]      STREAM  CONNECTED      10494          /run/systemd/journal/stdout
unix  3      [ ]      STREAM  CONNECTED      10697          /var/run/dbus/system_bus_socket
unix  3      [ ]      STREAM  CONNECTED      10392
unix  3      [ ]      STREAM  CONNECTED      10393
unix  3      [ ]      STREAM  CONNECTED      10616          /run/systemd/journal/stdout
unix  3      [ ]      STREAM  CONNECTED      10655
unix  2      [ ]      DGRAM          9964
unix  2      [ ]      DGRAM          10881
unix  3      [ ]      STREAM  CONNECTED      10493
unix  3      [ ]      STREAM  CONNECTED      10664
unix  2      [ ]      DGRAM          8088
unix  3      [ ]      STREAM  CONNECTED      10454
unix  3      [ ]      DGRAM          8305
unix  2      [ ]      DGRAM          9701
unix  2      [ ]      DGRAM          8294
unix  3      [ ]      STREAM  CONNECTED      10698          /var/run/dbus/system_bus_socket
unix  2      [ ]      DGRAM          10658
unix  3      [ ]      STREAM  CONNECTED      10695
unix  3      [ ]      DGRAM          8306
unix  2      [ ]      DGRAM          11175
unix  3      [ ]      STREAM  CONNECTED      10696
root@debian:/home/rendy#
```

C) Ping: perintah untuk menguji koneksi jaringan.

```
root@debian:/home/rendy# ping
Usage: ping [-aAbBdDfhLnOqrRUvV] [-c count] [-i interval] [-I interface]
        [-m mark] [-M pmtudisc_option] [-l preload] [-p pattern] [-Q tos]
        [-s packetsize] [-S sndbuf] [-t ttl] [-T timestamp_option]
        [-w deadline] [-W timeout] [hop1 ...] destination
root@debian:/home/rendy# route
```

D) Route: menampilkan routing ip yang isinya menampilkan destination, gateway, dll

```
root@debian:/home/rendy# route
Kernel IP routing table
Destination    Gateway      Genmask      Flags Metric Ref    Use Iface
default        10.0.2.2    0.0.0.0      UG    0      0      0 eth0
10.0.2.0       *           255.255.255.0 U    0      0      0 eth0
link-local     *           255.255.0.0  U    1000   0      0 eth0
root@debian:/home/rendy#
```



E) traceroute: menampilkan perintah yang dapat dilakukan pada perintah route

```
seconds (float point values allowed too)
-e --extensions      Show ICMP extensions (if present), including MPLS
-A --as-path-lookups Perform AS path lookups in routing registries and
                    print results directly after the corresponding
                    addresses
-M name --module=name Use specified module (either builtin or external)
                    for traceroute operations. Most methods have
                    their shortcuts (`-I' means `-M icmp' etc.)
-O OPTS,... --options=OPTS,...
                    Use module-specific option OPTS for the
                    traceroute module. Several OPTS allowed,
                    separated by comma. If OPTS is "help", print info
                    about available options
--sport=num          Use source port num for outgoing packets. Implies
                    `-N 1'
--fwmark=num         Set firewall mark for outgoing packets
-U --udp             Use UDP to particular port for tracerouting
                    (instead of increasing the port per each probe),
                    default port is 53
-UL                 Use UDPLITE for tracerouting (default dest port
                    is 53)
-D --dccp            Use DCCP Request for tracerouting (default port
                    is 33434)
-P prot --protocol=prot Use raw packet of protocol prot for tracerouting
--mtu                Discover MTU along the path being traced. Implies
                    `-F -N 1'
--back              Guess the number of hops in the backward path and
                    print if it differs
-V --version         Print version info and exit
--help              Read this help and exit

Arguments:
+ host              The host to traceroute to
  packetlen         The full packet length (default is the length of an IP
                    header plus 40). Can be ignored or increased to a minimal
                    allowed value
```

F) FTP: digunakan sebagai protocol untuk transfer file

```
packetlen          The full packet length (default is the length of an IP
                    header plus 40). Can be ignored or increased to a minimal
                    allowed value
root@debian:/home/rendy# ftp
ftp>
```