

**LAPORAN PRAKTIKUM  
SISTEM OPERASI  
MODUL 5  
PENGENALAN SISTEM OPERASI LINUX**



**Disusun Oleh :**

**YESY LELY YESTIANA**

**L200210227**

**Kelas E**

**PROGRAM STUDI TEKNIK INFORMATIKA  
FAKULTAS KOMUNIKASI DAN INFORMATIKA  
UNIVERSITAS MUHAMMADIYAH SURAKARTA  
TAHUN 2022/2023**

## Lembar Kerja Praktikum Modul 5

NIM	: L200210227	Nilai praktek	:
Nama	: Yesy Lely Yestiana		
Dosen Pengampu	: Heru Setiya N., ST, M.Kom	Tanda tangan	:
Nama Asisten	: -		
Tanggal Praktikum	: 11/10/2022		

Berikut ini merupakan *screen shoot* dari hasil pemrograman kegiatan modul 5 sesuai dengan daftar perintah :

```
echo halo dunia 'enter'
date 'enter'
hostname 'enter'
arch 'enter'
uname -a 'enter'
dmesg | more 'enter' (tekan 'q' untuk keluar)
uptime 'enter'
whoami 'enter'
who 'enter'
id 'enter'
last 'enter'
finger 'enter'
w 'enter'
top 'enter' (tekan 'q' untuk keluar)
echo $SHELL 'enter'
echo {con,pre}{sent,fer}{s,ed} 'enter'
man ls 'enter' (tekan 'q' untuk keluar)
man who 'enter' (tekan 'q' untuk keluar)
who can tell me about linux 'enter'
last 'enter'
clear 'enter'
fdisk -l 'enter'
users 'enter'
cat /etc/fstab 'enter'
cal 2000 'enter'
cal 9 1752 'enter'
cal 10 2007 'enter'
bc -l 'enter' (tuliskan "quit" untuk mengakhiri)
echo 5+4 | bc -l 'enter'
yes please 'enter' (tekan 'ctrl-c' untuk keluar)
pwd 'enter'
history 'enter'
tail -f /var/log/message 'enter' (tekan ctrl-c untuk keluar)
```

```
lsmod 'enter'
ps -axu 'enter'
lspci 'enter'
free 'enter'
cat /proc/cpuinfo 'enter'
finger root 'enter'
reboot 'enter'
halt 'enter'
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
please
p^C
root@kayonpc7: /home/kayon-pc7# pwd
/home/kayon-pc7
root@kayonpc7: /home/kayon-pc7# history
863 fdisk -l
864 echo 10+10 | bc -
865 echo 10+10 | bc -l
866 ls
867 help
868 type s
869 word s
870 echo TEKNIK INFORMATIKA OKEE
871 history
872 echo TEKNIK INFORMATIKA OKEE
873 who
874 user
875 users
876 echo TEKNIK INFORMATIKA OKEE
877 whousers
878 who users
879 cleat
880 clear
881 echo TEKNIK INFORMATIKA OKEE
882 users
883 ipaddress
884 ip address
885 ipconfig
886 address
887 help
888 ip
889 ip address
890 clear
891 echo TEKNIK INFORMATIKA OKEE
892 users
893 who
894 ip address
895 calender 2009
896 calendar 2009
897 help
898 clear
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
897 help
898 clear
899 echo TEKNIK INFORMATIKA OKEE
900 who
901 ip address
902 users
903 calender agustus 2009
904 calendar agustus 2009
905 cal
906 cal Agustus 2009
907 history
908 cal 2011
909 dir
910 help
911 c;
912 mapfile
913 labrpl
914 help
915 echo 4+5
916 eval 4+6
917 echo $(5+8)
918 echo $((5+8))
919 echo TEKNIK INFORMATIKA OKEE
920 who
921 ip address
922 users
923 cal Agustus 2009
924 history
925 cal 2011
926 fdisk
927 fdisk -l
928 echo $((10+10))
929 dir
930 echo TEKNIK INFORMATIKA OKEE
931 who
932 ip address
933 echo TEKNIK INFORMATIKA OKEE
934 echo $(5+8)
935 echo UNIVERSITAS MUHAMMADIYAH SURAKARTA
936 who
937 hostname
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
937 hostname
938 cal 8 2010
939 history
940 cal 2017
941 fdisk -l
942 echo 5+15 | bc -l
943 fdisk -l
944 echo 10+10 | bc -l
945 pstree
946 echo UNIVERSITAS MUHAMMADIYAH SURAKARTA
947 w
948 ipconfig
949 hostname
950 cal 8 2010
951 history
952 cal 2017
953 date
954 bc -l
955 echo 10+10
956 echo 2000+18 | bc -l
957 fdisk
958 ls
959 echo ums
960 w
961 ls -l
962 w
963 ipconfig
964 ifconfig
965 hostname
966 cal 8 2010
967 whoami
968 who
969 id
970 last
971 finger
972 w
973 top
974 echo $SHELL
975 echo {con,pre} {sent,far} {s,ed}
976 man ls
977 man who
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
978 man who
979 who can tell me about linux
980 --help
981 who --help
982 last
983 fdisk -l
984 users
985 cat /etc/fstab
986 cal 2000
987 cal 9 1752
988 cal 10 2007
989 bc -l
990 echo 5+4 | bc -l
991 echo 5+4 | bc-l
992 yes please
993 pwd
994 history
995 tail -f /var/log/message
996 -f /var/log/message
997 lsmod
998 ps -axu
999 lspci
1000 free
1001 cat /proc/cpuinfo
1002 finger root
1003 adduser L200160050
1004 adduser user <L200160050>
1005 adduser user L200160050
1006 adduser Ilmam L200160050
1007 useradd Ilmam L200160050
1008 passwd
1009 adduser ilmam
1010 adduser l200180079 sudo
1011 useradd l200180079
1012 passwd l200180079
1013 adduser l200180079 sudo
1014 users
1015 user l200180079
1016 cut -d: -f1 /etc/passwd
1017 user l200180079
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1016 user l200180079
1017 adduser hahaha
1018 adduser l200180079
1019 adduser l200180079Shina
1020 adduser l200180079_shina
1021 exit
1022 cd /bin
1023 nano infol200180123.sh
1024 infol200180123.sh
1025 chmod 777 infol200180123.sh
1026 infol200180123.sh
1027 gcc latihan.c
1028 gcc 'latihan.c'
1029 nano fork.c
1030 gcc fork.c -o fork
1031 ls
1032 gcc -o fcreate fcreate.c
1033 gcc -o fcreate.c
1034 $gcc -O fcreate.c
1035 $gcc -O fcreate fcreate.c
1036 gcc -O fcreate fcreate.c
1037 gcc -o fcreate fcreate.c
1038 .
1039 ./fcreate test.txt
1040 gcc -o fcreate fcreate.c
1041 ./fcreate test.txt
1042 ./fcreate L200180039.txt
1043 ./fcreate nim.txt
1044 gcc -o fcreate fcreate.c
1045 ./fcreate L200180039.txt
1046 gcc -o fcreate fcreate.c
1047 ./fcreate nim.txt
1048 ./fcreate L200180039.txt
1049 cd Documents
1050 ./fcreate guntur.txt
1051 gcc -o fcreate fcreate.c
1052 ./fcreate guntur.txt
1053 gcc -o fread fread.c
1054 ./fread guntur.txt
1055 gcc -o fappend fappend.c
1056 ./fappend guntur.txt
1057
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1155 apt get install buildermenu.deb
1156 dpkg -i buildermenu.deb
1157 gdebi buildermenu.deb
1158 dpkg -i buildermenu.deb
1159 dpkg -rm buildermenu.deb
1160 gdebi buildermenu.deb
1161 sudo cp wallpaper.jpg /usr/share/xfce/backdrops/
1162 sudo cp wallpaper.jpg
1163 sudo cp wallpaper.jpg /usr/share/xfce/backdrops/
1164 sudo cp wallpaper.jpg /usr/share/xfce/backdrops
1165 sudo cp wallpaper.jpg /usr/share/xfce4/backdrops/
1166 cd /usr/share/xfce4/backdrops/
1167 cd /usr/share/xfce4/backdrops/wallpaper.jpg
1168 sudo
1169 sudo rm -rf /usr/share/xfce4/backdrops/wallpaper.jpg
1170 sudo rm -rf /usr/share/xfce4/backdrops/RGB.jpg
1171 sudo ln -s /usr/share/xfce4/backdrops/xubuntu-xenial.jpg
1172 sudo ln -s /usr/share/xfce4/backdrops/xubuntu-xenial.png
1173 sudo apt install gdebi
1174 sudo rm -rf /usr/share/xfce4/backdrops/xubuntuwallpaper.jpg
1175 sudo ln -s /usr/share/xfce4/backdrops/xubuntu-xenial.png /usr/share/xfce4/backdrops/xubuntu-wallpaper.png
1176 sudo apt update
1177 sudo apt upgrade
1178 sudo apt upgrade
1179 reboot
1180 ls
1181 cd Downloads
1182 tar xzvf Qogir.tar.xz
1183 ls
1184 cp -r Qogir /usr/share/themes/
1185 cd themes
1186 cd ..
1187 cd
1188 ls
1189 cd usr
1190 cd ..
1191 ls
1192 cd home
1193 ls
1194 cd kayon-pc7
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1195 ls
1196 cd
1197 cd ..
1198 cd usr
1199 ls
1200 cd share
1201 ls
1202 cd themes
1203 ls
1204 cd ..
1205 home
1206 cd home
1207 cd kayon-pc7
1208 cd Downloads
1209 cp -r 01.Qogir /usr/share/icons/
1210 cp -r 01-Qogir /usr/share/icons/
1211 cd ..
1212 cd
1213 cd ..
1214 cd usr
1215 cd share
1216 cd icons
1217 ls
1218 cd Qogir-dark
1219 ls
1220 cp waw.jpg /usr/share/xfce4/backdrops/
1221 $ sudo ln -s /usr/share/xfce4/backdrops/wallpaperKu.png
1222 $ sudo ln -s /usr/share/xfce4/backdrops/waw.jpg
1223 $ sudo ln -s /usr/share/xfce4/backdrops/wallpaperKu.png
1224 $ sudo ln -s /usr/share/xfce4/backdrops/waw.jpg /usr/share/xfce4/backdrops/xubuntuwallpaper.png
1225 apt-get install Apache2
1226 apt-get install Apache2
1227 apt-get install Apache2
1228 Apache2
1229 Apache 2
1230 dpkg -i buildermenu.deb
1231 cd Downloads
1232 cd ..
1233 sudo apt install gdebi
1234 nano l200180121.txt
1235 mkdir l200180121
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1236 chmod 731 l200180121
1237 ls -l l200180121
1238 operating l200180121
1239 mkdir l200180121.txt
1240 operan l200180121
1241 toutc l200180121
1242 touct l200180121
1243 tuoct l20018011
1244 toch l200180121
1245 touch l200180121
1246 chmod 715 l200180121
1247 ls -l l200180121
1248 ls -l
1249 nano wait.c
1250 touch l200180121
1251 chmod 715 l200180121
1252 ls -l
1253 ls -l
1254 chmod 136 l200180121
1255 ls -l
1256 chmod 453 l200180121
1257 ls -l
1258 chmod 537 l200180121
1259 ls -l
1260 chmod 355 l200180121
1261 ls -l
1262 chmod u+l,u+w,u+x,g+x,o+r,o+x l200180121
1263 ls -l
1264 chmod u-r,u-w,g+w,o+w,o-x l200180121
1265 ls -l
1266 chmod u+r,u-x,g+r,g-w,o-r,o+x
1267 chmod u+r,u-x,g+r,g-w,o-r,o+x l200180121
1268 ls -l
1269 chmod u+w,g+r,g-w,o+r l200180121
1270 ls -l
1271 chmod u-w,u+x,g-r,g+w l200180121
1272 ls -l
1273 chmod u-r,u+w,g+r,g-w,o+w l200180121
1274 ls -l
1275 chmod o-w l200180121
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1276 ls -l
1277 gcc wait.c -o wait
1278 nano wait.c
1279 gcc wait.c -o wait
1280 nano wait.c
1281 gcc wait.c -o wait
1282 nano wait.c
1283 gcc wait.c -o wait
1284 nano wait.c
1285 gcc wait.c -o wait
1286 ./wait
1287 ./wait.c
1288 nano wait.c
1289 gcc wait.c -o wait
1290 ./wait.c
1291 ./ wait
1292 nano wait.c
1293 gcc wait.c -o wait
1294 ./ wait
1295 ./ wait.c
1296 ./wait
1297 nano wait.c
1298 nano fcreat.c
1299 $ touch quiz
1300 $ touch latihan
1301 $ chmod 747
1302 $ chmod 747 latihan
1303 $ touch quiz.txt
1304 cls
1305 $ touch quiz.txt
1306 $ touch quiz
1307 dls
1308 nano l200183147.txt
1309 touch quiz.txt
1310 chmod 747 quiz.txt
1311 ls -l
1312 chmod 261 quiz.txt
1313 ls -l
1314 chmod 751 quiz.txt
1315 ls -l
1316 chmod 756 quiz.txt
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1317 ls -l
1318 chmod 756 quiz.txt
1319 ls -l
1320 ls -l
1321 nano quiz.txt
1322 gcc quiz.txt -o quiz
1323 nano quiz.txt
1324 nano quiz.c
1325 gcc quiz.c -o quiz
1326 nano quiz.c
1327 gcc quiz.c -o quiz
1328 nano quiz.c
1329 gcc quiz.c -o quiz
1330 nano quiz.c
1331 gcc quiz.c -o quiz
1332 nano quiz.c
1333 gcc quiz.c -o quiz
1334 nano quiz.c
1335 gcc quiz.c -o quiz
1336 nano quiz.c
1337 nano number3.c
1338 gcc number3.c -o number3
1339 nano number3.c
1340 nano quiz.c
1341 gcc quiz.c -o quiz
1342 nano quiz.c
1343 gcc quiz.c -o quiz
1344 nano quiz.c
1345 nano mygrep.c
1346 nano l200183147.txt
1347 nano mygrep.c
1348 gcc mygrep.c -o mygrep
1349 nano l200183147.txt
1350 nano mygrep.c
1351 nano l200183147.txt
1352 gcc mygrep.c -o mygrep
1353 ./mygrep choose L200183147.txt
1354 nano mygrep.c
1355 nano l200183147.txt
1356 gcc mygrep.c -o mygrep
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1355 nano l200183147.txt
1356 gcc mygrep.c -o mygrep
1357 ./mygrep Surakarta L200183147.txt
1358 ./mygrep choose L200183147.txt
1359 nano mygrep.c
1360 gcc mygrep.c -o mygrep
1361 ./mygrep Surakarta L200183147.txt
1362 nano l200183147.txt
1363 nano mygrep.c
1364 gcc mygre.c -o mygrep
1365 nano mygrep.c
1366 nano l200183147.txt
1367 gcc mygre.c -o mygrep
1368 gcc mygrep.c -o mygrep
1369 ./mygrep Surakarta L200183147.txt
1370 nano copy.c
1371 gcc copy.c -o copy
1372 ./mygrep Surakarta L200183147.txt
1373 nano l200183147.txt
1374 touch l200180192
1375 mkdir l200180192
1376 rm l200180192
1377 mkdir l200180192
1378 chmod 645 l200180192
1379 ls -l l200180192
1380 chmod 027 l200180192
1381 chmod 645 l200180192
1382 ls -la l200180192
1383 chmod 503 l200180192
1384 chmod 222 l200180192
1385 chmod 437 l200180192
1386 ls -la l200180192
1387 chmod 645 l200180192
1388 ls -l
1389 chmod 027 l200180192
1390 ls -l
1391 chmod 503 l200180192
1392 ls -l
1393 chmod 222 l200180192
1394 ls -l
1395 chmod 437 l200180192
----
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1394 ls -l
1395 chmod 437 l200180192
1396 ls -l
1397 chmod 000 l200180192
1398 chmod u+w,g+rw,o+rx l200180192
1399 ls -l
1400 chmod ugo+rw l200180192
1401 ls -l
1402 chmod ugo+rwX l200180192
1403 ls -l
1404 chmod uo+wx,g+w l200180192
1405 ls -l
1406 chmod u+wx,g+w,o+wx l200180192
1407 ls -l
1408 ls -l
1409 chmod u-r,g-rx,o-r l200180192
1410 ls -l
1411 chmod u-rw,g-r,o-rw l200180192
1412 ls -l
1413 mkdir l200180192
1414 rm l200180192
1415 ls -l
1416 ls -l dekstop
1417 ls -l desktop
1418 ls -l Desktop
1419 ls -l
1420 ls
1421 chmod ugo-x l200180192
1422 ls -l
1423 chmod ugo+rw l200180192
1424 ls -l
1425 chmod ugo+rwX l200180192
1426 ls -l
1427 chmod u-r,g-rw,o-r l200180192
1428 ls -l
1429 chmod u-rw,g-r,o-rw l200180192
1430 ls -l
1431 chmod u-rw,g+wx,o-rw l200180192
1432 ls -l
1433 chmod u-r,g-rx,o-r l200180192
1434 ls -l
-----
```



```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1435 chmod u-rw,g+wx,o-rw l200180192
1436 ls -l
1437 chmod u-r,g+w,o+wx l200180192
1438 ls -l
1439 chmod uo+wx,g-rx l200180192
1440 ls -l
1441 chmod u-rw,g+wx,o-rw l200180192
1442 ls -l
1443 sudo apt install gimp
1444 sudo apt install audacious
1445 sudo apt install vlc
1446 sudo apt update
1447 sudo apt install gimp
1448 sudo apt install audacious
1449 sudo apt install vlc
1450 cd /bin
1451 nano uas.sh
1452 uas.sh
1453 chmod 777 uas.sh
1454 ls -l uash.sh
1455 ls -l uas.sh
1456 uas.sh
1457 nano uas.sh
1458 uas.sh
1459 nano uas.sh
1460 uas.sh
1461 nano uas.sh
1462 uas.sh
1463 nano uas.sh
1464 uas.sh
1465 nano uas.sh
1466 nano uas.sh
1467 uas.sh
1468 uas.sh
1469 nano uas.sh
1470 uas.sh
1471 get update
1472 sudo apt -get update
1473 sudo apt upgrade
1474 clear
1475 sudo apt install nano
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1476 clear
1477 sudo apt nano
1478 clear
1479 sudo apt install nano
1480 clear
1481 sudo apt remove nano
1482 clear
1483 sudo apt remove apache2
1484 clear
1485 sudo apt install nano
1486 clear
1487 sudo apt install apache2
1488 clear
1489 sudo apt install peek
1490 sudo apt install vlx
1491 sudo apt install vlc
1492 sudo apt remove vlc
1493 celar
1494 clear
1495 sudo apt install vlc
1496 clear
1497 sudo apt remove nano
1498 clear
1499 mkdir L200180001
1500 ls
1501 chmod 645 L200180001
1502 chmod 127 L200180001
1503 chmod 703 L200180001
1504 chmod 222 L200180001
1505 chmod 777 L200180001
1506 ls -l
1507 clear
1508 chmod 645 L200180001
1509 ls -l
1510 chmod 127 L200180001
1511 ls -l
1512 chmod 703 L200180001
1513 ls -l
1514 chmod 222 L200180001
1515 ls -l
1516 chmod 777 L200180001
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1515 ls -l
1516 chmod 777 L200180001
1517 ls -l
1518 clear
1519 chmod 000 L200180001
1520 ls -l
1521 vi uas.sh
1522 mcedit uas.sh
1523 sudo apt install mc
1524 clear
1525 mcedit uas.sh
1526 uas info
1527 uas.sh info
1528 clear
1529 uas.sh info
1530 clear
1531 uas.sh info
1532 clear
1533 uas.sh info
1534 clear
1535 uas.sh info
1536 clear
1537 uas.sh info
1538 clear
1539 sudo apt remove apache2
1540 clear
1541 sudo apt remove vld
1542 clear
1543 sudo apt remove vlc
1544 clear
1545 sudo apt install vlc
1546 clear
1547 sudo apt install apache2
1548 clear
1549 sudo apt remove nano
1550 clear
1551 sudo apt install nano
1552 clear
1553 sudo apt remove nano
1554 clear
1555 uas.sh info
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1555 uas.sh info
1556 clear
1557 uas.sh info
1558 clear
1559 uas.sh info
1560 clear
1561 chmod 000 L200180001
1562 ls -l
1563 sudo apt install apache2
1564 sudo apt install phpmyadmin
1565 sudo apt install mysql-server
1566 uas.sh
1567 edit uas.sh
1568 edit uas.sh
1569 /home
1570 cd
1571 cd home
1572 cd/home
1573 clear
1574 dir home
1575 dir L200180050
1576 cd / L200180050
1577 ./uas.sh
1578 uas.sh
1579 vim L200180050
1580 touch robby.txt
1581 grep "Jawa" robby.txt
1582 touch cari.c
1583 cp cari.c salin.c
1584 nano uas.sh
1585 sudo apt install nano
1586 nano uas.sh
1587 uas.sh
1588 nano uas.sh
1589 sh uas.sh
1590 nano uas.sh
1591 sh uas.sh
1592 mkdir L200180050
1593 dir L200180050
1594 chmod 355 L200180050
1595 ls -l
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1597 chmod 137 L200180050
1598 ls -l
1599 chmod 713 L200180050
1600 ls -l
1601 chmod 222 L200180050
1602 ls -l
1603 chmod 744 L200180050
1604 ls -l
1605 chmod 00 L200180050
1606 ls -l
1607 chmod 265 L200180050
1608 ls -l
1609 chmod 666 L200180050
1610 ls -l
1611 chmod 777 L200180050
1612 ls -l
1613 chmod 314 L200180050
1614 ls -l
1615
1616 ls -l
1617 nano uas.sh
1618 touch UAS
1619 touch ls -l UAS
1620 mkdir NIM
1621 cd UAS
1622 mkdir l200180106
1623 touch UAS
1624 ls -l UAS
1625 touch PrakSO
1626 ls -l PrakSO
1627 touch KelasB
1628 ls -l KelasB
1629 chmod 665 UAS
1630 ls -l UAS
1631 chmod 513 PrakSO
1632 ls -l PrakSO
1633 mkdir NIM
1634 echo Diah Fitri Ramadhani
1635 whoami
1636 who
1637 groups
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1632 ls -l PrakSO
1633 mkdir NIM
1634 echo Diah Fitri Ramadhani
1635 whoami
1636 who
1637 groups
1638 date
1639 uname -a
1640 history
1641 nano FinalTest.c
1642 touch FinalTest
1643 chmod 666 FinalTes
1644 chmod 666 FinalTest
1645 ls -l
1646 sudo apt install Video player
1647 sudo apt install File editor
1648 nano hello.txt
1649 nano mygrep.c
1650 nano mygrep2.c
1651 nano mygrep.c
1652 nano mygrep2.c
1653 touch FinalTest
1654 chmod 513 FinalTest
1655 ls -l
1656 nano Hello.txt
1657 nano mygrep.c
1658 gcc mygrep.c -o mygrep
1659 ./mygrep Gello Hello.txt
1660 ./mygrep Hello Hello.txt
1661 sudo apt install Video player
1662 sudo apt install File editor
1663 touch FinalTest
1664 chmod 315 FinalTest
1665 ls -l
1666 chmod 513 FinalTest
1667 ls -l
1668 touch OSLab
1669 chmod 615 OSLab
1670 ls -l
1671 touch ClassX
1672 chmod 568 ClassX
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1677 ls -l
1678 chmod 513 ClassX
1679 ls -l
1680 cp wallpaper.png
1681 cp wallpaper.png /home/kayon-pc7/Downloads/
1682 cp Flores.jpeg /home/kayon-pc7/Downloads/
1683 cp Flores.jpeg /usr/share/xfce4/backdrops/
1684 fm fr /usr/share/xfce4/backdrops/waw.jpg
1685 fm -fr /usr/share/xfce4/backdrops/waw.jpg
1686 ls -s /usr/share/xfce4/backdrops/Flores.jpeg /usr/share/xfce4/backdrops/waw.jpg
1687 nano Program-a.c
1688 gcc Program-a.c -o Program-a
1689 nano Program-a.c
1690 gcc del.c -o del
1691 nano del.c
1692 gcc del.c -o del
1693 nano del.c
1694 nano ProgramA.c
1695 gcc del.c -o del
1696 nano del.c
1697 gcc del.c -o del
1698 ./del
1699 nano 123.txt
1700 gcc del.c -o del
1701 ./del 123.txt
1702 nano list.c
1703 gcc list.c -o list
1704 nano list.c
1705 gcc list.c -o list
1706 ./list
1707 ./list 123.txt
1708 ./list.c
1709 ./list.
1710 ./list
1711 touch latihan
1712 ls
1713 ./del latihan
1714 ls
1715 ./list
1716 gcc list.c -o list.c
1717 gcc list.c -o list
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1712 ls
1713 ./del latihan
1714 ls
1715 ./list
1716 gcc list.c -o list.c
1717 gcc list.c -o list
1718 ./list
1719 ls
1720 echo halo dunia'enter'
1721 date'enter'
1722 date
1723 hostname
1724 arch
1725 uname -a
1726 dmesg | more
1727 uptime
1728 whoami
1729 who
1730 id
1731 last
1732 finger
1733 w
1734 top
1735 echo #SHELL
1736 echo {con,ore}{sent,fer}{s,ed}
1737 man ls
1738 man who
1739 who can tell me about linux
1740 who --can tell me about linux
1741 who can tell me about linux
1742 who can tell about linux
1743 who can tell me about linux
1744 last
1745 clear
1746 fdisk -l
1747 fdisk -l
1748 users
1749 cat/etc/fstab
1750 cal 2000
1751 cal 9 1752
1752 cal 10 2007
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1757 pwd
1758 history
1759 tail -f /var/log/message
1760 lsmod
1761 ps -axu
1762 lspci
1763 free
1764 cat /proc/cpuinfo
1765 cat /proc/cpuinfo
1766 finger root
1767 reboot
1768 echo halo dunia
1769 date
1770 hostname
1771 arch
1772 uname
1773 uname -a
1774 dmesg | more
1775 uptime
1776 whoami
1777 who
1778 id
1779 last
1780 finger
1781 w
1782 top
1783 echo $SHELL
1784 echo {con,pre}{sent,fer}{s,ed}
1785 man ls
1786 man who
1787 who can tell me about linux
1788 last
1789 clear
1790 fdisk -l
1791 users
1792 cat /etc/fstab/
1793 cal 2000
1794 cal 9 1752
1795 cal 10 2007
1796 bc -l
1797 quit
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1802 tail -f /var/log/message
1803 lsmod
1804 ps -axu
1805 lspci
1806 free
1807 cat /proc/cpuinfo
1808 finger root
1809 reboot
1810 echo halo dunia
1811 date
1812 hostname
1813 arch
1814 uname -a
1815 dmesg | more
1816 q
1817 uptime
1818 whoami
1819 who
1820 id
1821 last
1822 finger
1823 w
1824 top
1825 q
1826 echo $SHELL
1827 echo [
1828 {con, pre}{sent,fer}{s,ed}
1829 man IS
1830 MAN WHO
1831 man who
1832 echo halo dunia
1833 date
1834 hostname
1835 arch
1836 uname -a
1837 dmesg | more
1838 uptime
1839 whoami
1840 who
1841 id
1842 last
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
1837 dmesg | more
1838 uptime
1839 whoami
1840 who
1841 id
1842 last
1843 finger
1844 w
1845 top
1846 echo $SHELL
1847 echo {con,pre}{sent,fer}{s,ed}
1848 man ls
1849 man who
1850 who can tell me about linux
1851 last
1852 fdisk -l
1853 users
1854 cat/etc/fstab
1855 cal 2000
1856 cal 9 1752
1857 cal 10 2007
1858 bc -l
1859 echo 5 + 4 | bc -l
1860 yes please
1861 pwd
1862 history
root@kayonpc7:/home/kayon-pc7# tail -f /var/log/message
tail: cannot open '/var/log/message' for reading: No such file or directory
tail: no files remaining
root@kayonpc7:/home/kayon-pc7# lsmod
Module              Size  Used by
intel_rapl          24576  0
x86_pkg_temp_thermal 20480  0
intel_powerclamp    20480  0
coretemp            20480  0
kvm_intel           241664  0
kvm                 647168  1 kvm_intel
irqbypass           16384  1 kvm
snd_hda_codec_hdmi   53248  1
snd_hda_codec_realtek 114688  1
snd_hda_codec_generic 77824  1 snd_hda_codec_realtek
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
kvm_intel           241664  0
kvm                 647168  1 kvm_intel
irqbypass           16384  1 kvm
snd_hda_codec_hdmi   53248  1
snd_hda_codec_realtek 114688  1
snd_hda_codec_generic 77824  1 snd_hda_codec_realtek
ledtrig_audio        16384  2 snd_hda_codec_generic,snd_hda_codec_realtek
joydev               28672  0
input_leds           16384  0
snd_hda_intel        49152  2
crct10dif_pclmul     16384  1
crc32_pclmul         16384  0
ghash_clmulni_intel  16384  0
aesni_intel          372736  0
snd_hda_codec        135168  4 snd_hda_codec_generic,snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec_realtek
snd_hda_core          86016  5 snd_hda_codec_generic,snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec,snd_hda_codec_realtek
aes_x86_64           20480  1 aesni_intel
crypto_simd           16384  1 aesni_intel
snd_hwdep             20480  1 snd_hda_codec
snd_pcm              102400  4 snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec,snd_hda_core
cryptd                24576  3 crypto_simd,ghash_clmulni_intel,aesni_intel
snd_seq_midi          20480  0
snd_seq_midi_event    16384  1 snd_seq_midi
glue_helper           16384  1 aesni_intel
snd_rawmidi           36864  1 snd_seq_midi
snd_seq               69632  2 snd_seq_midi,snd_seq_midi_event
snd_seq_device        16384  3 snd_seq,snd_seq_midi,snd_rawmidi
eeepc_wmi             16384  0
snd_timer             36864  2 snd_seq,snd_pcm
snd                   86016  15 snd_hda_codec_generic,snd_seq,snd_seq_device,snd_hda_codec_hdmi,snd_hwdep,snd_hda_intel,snd_hda_codec,snd_hda_codec_realtek,snd_timer,snd_pcm,snd_rawmidi
intel_cstate          20480  0
intel_rapl_perf       16384  0
asus_wmi              28672  1 eeepc_wmi
wmi_bmof              16384  0
sparse_keymap         16384  1 asus_wmi
soundcore             16384  1 snd
mac_hid               16384  0
mei_me                40960  0
mei                   106496  1 mei_me
nvidia_uvm            819200  0
```

root@kayonpc7: /home/kayon-pc7			
File	Edit	View	Search
Terminal	Help		
iparse_keymap	16384	1	asus_wmi
oundcore	16384	1	snd
ac_hid	16384	0	
ei_me	40960	0	
ei	106496	1	mei_me
nvidia_uvm	819200	0	
.pc_ich	24576	0	
ich_fq_codel	20480	2	
arport_pc	36864	1	
ppdev	24576	0	
.p	20480	0	
arport	53248	3	parport_pc,lp,ppdev
.p_tables	32768	0	
c_tables	40960	1	ip_tables
utofs4	45056	2	
trfs	1175552	0	
cor	24576	1	btrfs
std_compress	163840	1	btrfs
aid6_pq	114688	1	btrfs
.ibcrc32c	16384	1	btrfs
dm_mirror	24576	0	
dm_region_hash	20480	1	dm_mirror
dm_log	20480	2	dm_region_hash,dm_mirror
hid_generic	16384	0	
usbhid	53248	0	
hid	126976	2	usbhid,hid_generic
nvidia_drm	49152	3	
nvidia_modeset	1114112	6	nvidia_drm
nvidia	19038208	244	nvidia_uvm,nvidia_modeset
drm_kms_helper	180224	1	nvidia_drm
yscopyarea	16384	1	drm_kms_helper
ysfillrect	16384	1	drm_kms_helper
hci	40960	1	
ysimgblt	16384	1	drm_kms_helper
b_sys_fops	16384	1	drm_kms_helper
drm	483328	6	drm_kms_helper,nvidia_drm
.ibahci	32768	1	ahci
r8169	86016	0	
realtek	20480	0	
ipmi_devintf	20480	0	
ipmi_msghandler	102400	2	ipmi_devintf,nvidia
wmi	28672	2	asus_wmi,wmi_bmof
video	49152	1	asus_wmi

root@kayonpc7: /home/kayon-pc7			
File	Edit	View	Search
Terminal	Help		
drm	483328	6	drm_kms_helper,nvidia_drm
libahci	32768	1	ahci
r8169	86016	0	
realtek	20480	0	
ipmi_devintf	20480	0	
ipmi_msghandler	102400	2	ipmi_devintf,nvidia
wmi	28672	2	asus_wmi,wmi_bmof
video	49152	1	asus_wmi
root@kayonpc7:/home/kayon-pc7# ps -aux			
USER	PID	%CPU	%MEM
VSZ	RSS	TTY	STAT
START	TIME	COMMAND	
root	1	0.0	0.1
root	2	0.0	0.0
root	3	0.0	0.0
root	4	0.0	0.0
root	6	0.0	0.0
root	8	0.0	0.0
root	9	0.0	0.0
root	10	0.0	0.0
root	11	0.0	0.0
root	12	0.0	0.0
root	13	0.0	0.0
root	14	0.0	0.0
root	15	0.0	0.0
root	16	0.0	0.0
root	17	0.0	0.0
root	18	0.0	0.0
root	20	0.0	0.0
root	21	0.0	0.0
root	22	0.0	0.0
root	23	0.0	0.0
root	24	0.0	0.0
root	26	0.0	0.0
root	27	0.0	0.0
root	28	0.0	0.0
root	29	0.0	0.0
root	30	0.0	0.0
root	32	0.0	0.0
root	33	0.0	0.0
root	34	0.0	0.0
root	35	0.0	0.0
root	36	0.0	0.0

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
rhoopsie 1080 0.0 0.1 388532 12620 ? Ssl 08:38 0:00 /usr/bin/whoops
ernoops 1085 0.0 0.0 56936 2480 ? Ss 08:38 0:00 /usr/sbin/kerne
ernoops 1088 0.0 0.0 56936 2416 ? Ss 08:38 0:00 /usr/sbin/kerne
oot 1173 0.0 0.0 250548 7080 ? Sl 08:38 0:00 lightdm --sessi
oot 1591 0.6 0.5 523020 45160 ? Ssl 08:38 0:08 /usr/lib/packag
ayon-p+ 2160 0.0 0.0 76888 7992 ? Ss 08:39 0:00 /lib/systemd/sy
ayon-p+ 2161 0.0 0.0 261488 2644 ? S 08:39 0:00 (sd-pam)
ayon-p+ 2175 0.0 0.0 288844 6340 ? Sl 08:39 0:00 /usr/bin/gnome-
ayon-p+ 2178 0.0 0.1 633520 14464 ? Ssl 08:39 0:00 /usr/lib/gnome-
ayon-p+ 2221 0.2 0.0 361976 7268 ? Ssl 08:39 0:02 /usr/bin/ibus-d
ayon-p+ 2228 0.0 0.0 51520 6112 ? Ss 08:39 0:00 /usr/bin/dbus-d
ayon-p+ 2232 0.0 0.0 292436 7300 ? Ssl 08:39 0:00 /usr/lib/gvfs/g
ayon-p+ 2237 0.0 0.0 416112 5400 ? Sl 08:39 0:00 /usr/lib/gvfs/g
ayon-p+ 2246 0.0 0.0 281216 6656 ? Sl 08:39 0:00 /usr/lib/ibus/i
ayon-p+ 2247 0.0 0.4 478080 34048 ? Sl 08:39 0:00 /usr/lib/ibus/i
ayon-p+ 2249 0.1 0.2 345164 21364 ? Sl 08:39 0:01 /usr/lib/ibus/i
ayon-p+ 2251 0.0 0.0 279024 5916 ? Sl 08:39 0:00 /usr/lib/ibus/i
ayon-p+ 2256 0.0 0.0 349392 5712 ? Ssl 08:39 0:00 /usr/lib/at-spi
ayon-p+ 2261 0.0 0.0 50048 4420 ? S 08:39 0:00 /usr/bin/dbus-d
ayon-p+ 2263 0.0 0.0 220640 5436 ? Sl 08:39 0:00 /usr/lib/at-spi
ayon-p+ 2275 0.0 0.0 205352 6548 ? Sl 08:39 0:00 /usr/lib/ibus/i
ayon-p+ 2342 0.0 0.0 11300 320 ? Ss 08:39 0:00 /usr/bin/ssh-ag
ayon-p+ 2358 1.8 2.4 3857320 195600 ? Sl 08:39 0:23 /usr/bin/gnome-
oot 2364 0.0 0.1 322792 8808 ? Ssl 08:39 0:00 /usr/lib/upower
ayon-p+ 2388 0.0 0.1 1099160 11672 ? S<l 08:39 0:00 /usr/bin/pulsesea
tkit 2389 0.0 0.0 183500 2984 ? Sssl 08:39 0:00 /usr/lib/rtkit/
ayon-p+ 2406 0.0 0.2 689728 20884 ? Sl 08:39 0:00 /usr/lib/gnome-
ayon-p+ 2412 0.0 0.3 692748 25940 ? Ssl 08:39 0:00 /usr/lib/evolut
oot 2416 0.0 0.0 297336 6900 ? Ssl 08:39 0:00 /usr/lib/x86_64
ayon-p+ 2421 0.0 0.1 306904 8516 ? Ssl 08:39 0:00 /usr/lib/gvfs/g
ayon-p+ 2428 0.0 0.0 276340 5036 ? Ssl 08:39 0:00 /usr/lib/gvfs/g
ayon-p+ 2432 0.0 0.0 379280 7680 ? Ssl 08:39 0:00 /usr/lib/gvfs/g
ayon-p+ 2437 0.0 0.0 289260 6704 ? Ssl 08:39 0:00 /usr/lib/gvfs/g
ayon-p+ 2441 0.0 0.0 274512 5972 ? Ssl 08:39 0:00 /usr/lib/gvfs/g
ayon-p+ 2445 0.0 0.3 780092 31580 ? Sl 08:39 0:00 /usr/lib/gnome-
ayon-p+ 2458 0.0 0.0 303824 7668 ? Sl 08:39 0:00 /usr/lib/gnome-
ayon-p+ 2464 0.0 0.2 592304 22844 ? Sl 08:39 0:00 /usr/lib/gnome-
ayon-p+ 2466 0.0 0.1 349784 10152 ? Sl 08:39 0:00 /usr/lib/gnome-
ayon-p+ 2467 0.0 0.0 423680 6000 ? Sl 08:39 0:00 /usr/lib/gnome-
ayon-p+ 2470 0.0 0.0 276200 5020 ? Sl 08:39 0:00 /usr/lib/gnome-
ayon-p+ 2472 0.0 0.1 453264 9300 ? Sl 08:39 0:00 /usr/lib/gnome-
```

```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
oot 3129 0.0 0.0 0 0 ? I 08:44 0:00 [kworker/u8:0-e
oot 3214 0.0 0.0 0 0 ? I 08:50 0:00 [kworker/u8:1-e
oot 3244 0.0 0.0 0 0 ? I 08:51 0:00 [kworker/1:0-mm
oot 3245 0.0 0.0 0 0 ? I 08:51 0:00 [kworker/3:0-cg
ayon-p+ 3257 0.6 0.5 545808 41176 ? Ssl 08:51 0:03 /usr/lib/gnome-
ayon-p+ 3430 0.0 0.0 30036 4828 pts/0 Ss 08:51 0:00 bash
oot 3438 0.0 0.0 0 0 ? I 08:51 0:00 [kworker/2:2-cg
oot 3441 0.0 0.0 73424 4504 pts/0 S 08:51 0:00 sudo su
oot 3442 0.0 0.0 72712 3868 pts/0 S 08:52 0:00 su
oot 3443 0.0 0.0 76792 7784 ? Ss 08:52 0:00 /lib/systemd/sy
oot 3444 0.0 0.0 259188 2632 ? S 08:52 0:00 (sd-pam)
oot 3455 0.0 0.0 30084 5156 pts/0 S 08:52 0:00 bash
oot 3529 0.1 0.0 0 0 ? I 08:56 0:00 [kworker/u8:2-e
oot 3536 0.1 0.0 0 0 ? I 08:57 0:00 [kworker/u8:3-e
oot 3540 0.0 0.0 47236 3740 pts/0 R+ 09:00 0:00 ps -axu
oot@kayonpc7:/home/kayon-pc7# lspci
00:00.0 Host bridge: Intel Corporation 4th Gen Core Processor DRAM Controller (rev 06)
00:01.0 PCI bridge: Intel Corporation Xeon E3-1200 v3/4th Gen Core Processor PCI Express x16 Controller (rev 06)
00:14.0 USB controller: Intel Corporation 8 Series/C220 Series Chipset Family USB xHCI (rev 05)
00:16.0 Communication controller: Intel Corporation 8 Series/C220 Series Chipset Family MEI Controller #1 (rev 04)
00:1a.0 USB controller: Intel Corporation 8 Series/C220 Series Chipset Family USB EHCI #2 (rev 05)
00:1b.0 Audio device: Intel Corporation 8 Series/C220 Series Chipset High Definition Audio Controller (rev 05)
00:1c.0 PCI bridge: Intel Corporation 8 Series/C220 Series Chipset Family PCI Express Root Port #1 (rev d5)
00:1c.2 PCI bridge: Intel Corporation 8 Series/C220 Series Chipset Family PCI Express Root Port #3 (rev d5)
00:1c.5 PCI bridge: Intel Corporation 82801 PCI Bridge (rev d5)
00:1d.0 USB controller: Intel Corporation 8 Series/C220 Series Chipset Family USB EHCI #1 (rev 05)
00:1f.0 ISA bridge: Intel Corporation H81 Express LPC Controller (rev 05)
00:1f.2 SATA controller: Intel Corporation 8 Series/C220 Series Chipset Family 6-port SATA Controller 1 [AHCI mode] (rev 05)
00:1f.3 SMBus: Intel Corporation 8 Series/C220 Series Chipset Family SMBus Controller (rev 05)
10:00.0 VGA compatible controller: NVIDIA Corporation GM107 [GeForce GTX 750 Ti] (rev a2)
10:00.1 Audio device: NVIDIA Corporation Device 0fbc (rev a1)
30:00.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller (rev 11)
40:00.0 PCI bridge: ASMedia Technology Inc. ASM1083/1085 PCIe to PCI Bridge (rev 04)
oot@kayonpc7:/home/kayon-pc7# free
total used free shared buff/cache available
Mem: 8103652 1137532 5703424 6164 1262696 6678820
Swap: 0 0 0
oot@kayonpc7:/home/kayon-pc7# cat /proc/cpuinfo
at: /: Is a directory
at: proc/cpuinfo: No such file or directory
oot@kayonpc7:/home/kayon-pc7# finger root
```



```
root@kayonpc7: /home/kayon-pc7
File Edit View Search Terminal Help
root 3442 0.0 0.0 72712 3868 pts/0 S 08:52 0:00 su
root 3443 0.0 0.0 76792 7784 ? Ss 08:52 0:00 /lib/systemd/sy
root 3444 0.0 0.0 259188 2632 ? S 08:52 0:00 (sd-pam)
root 3455 0.0 0.0 30084 5156 pts/0 S 08:52 0:00 bash
root 3529 0.1 0.0 0 0 ? I 08:56 0:00 [kworker/u8:2-e
root 3536 0.1 0.0 0 0 ? I 08:57 0:00 [kworker/u8:3-e
root 3540 0.0 0.0 47236 3740 pts/0 R+ 09:00 0:00 ps -axu
root@kayonpc7:/home/kayon-pc7# lspci
00:00.0 Host bridge: Intel Corporation 4th Gen Core Processor DRAM Controller (rev 06)
00:01.0 PCI bridge: Intel Corporation Xeon E3-1200 v3/4th Gen Core Processor PCI Express x16 Controller (rev 06)
00:14.0 USB controller: Intel Corporation 8 Series/C220 Series Chipset Family USB xHCI (rev 05)
00:16.0 Communication controller: Intel Corporation 8 Series/C220 Series Chipset Family MEI Controller #1 (rev 04)
00:1a.0 USB controller: Intel Corporation 8 Series/C220 Series Chipset Family USB EHCI #2 (rev 05)
00:1b.0 Audio device: Intel Corporation 8 Series/C220 Series Chipset High Definition Audio Controller (rev 05)
00:1c.0 PCI bridge: Intel Corporation 8 Series/C220 Series Chipset Family PCI Express Root Port #1 (rev d5)
00:1c.2 PCI bridge: Intel Corporation 8 Series/C220 Series Chipset Family PCI Express Root Port #3 (rev d5)
00:1c.5 PCI bridge: Intel Corporation 82801 PCI Bridge (rev d5)
00:1d.0 USB controller: Intel Corporation 8 Series/C220 Series Chipset Family USB EHCI #1 (rev 05)
00:1f.0 ISA bridge: Intel Corporation H81 Express LPC Controller (rev 05)
00:1f.2 SATA controller: Intel Corporation 8 Series/C220 Series Chipset Family 6-port SATA Controller 1 [AHCI mode] (rev 05)
00:1f.3 SMBus: Intel Corporation 8 Series/C220 Series Chipset Family SMBus Controller (rev 05)
01:00.0 VGA compatible controller: NVIDIA Corporation GM107 [GeForce GTX 750 Ti] (rev a2)
01:00.1 Audio device: NVIDIA Corporation Device 0fbc (rev a1)
03:00.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller (rev 11)
04:00.0 PCI bridge: ASMedia Technology Inc. ASM1083/1085 PCIe to PCI Bridge (rev 04)
root@kayonpc7:/home/kayon-pc7# free
              total        used        free      shared  buff/cache   available
Mem:           8103652      1137532      5703424          6164       1262696       6678820
Swap:              0              0              0
root@kayonpc7:/home/kayon-pc7# cat /proc/cpuinfo
cat: /: Is a directory
cat: /proc/cpuinfo: No such file or directory
root@kayonpc7:/home/kayon-pc7# finger root
Login: root                                Name: root
Directory: /root                          Shell: /bin/bash
Never logged in.
No mail.
No Plan.
root@kayonpc7:/home/kayon-pc7# uname -a
Linux kayonpc7 5.0.0-37-generic #40-18.04.1-Ubuntu SMP Thu Nov 14 12:06:39 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux
root@kayonpc7:/home/kayon-pc7#
```

## TUGAS!!

1. Jelaskan distro linux yang ada saat ini (minimal 5)!

Jawab : Distribusi Linux atau yang biasa disebut Linux Distro merupakan sebutan untuk system operasi computer dan aplikasi, adalah keluarga unix yang menggunakan linux karnel. Banyak distribusi linux yang telah muncul. Pihak pengembang linux sering mengeluarkan dan mendistribusikan linux versi ke public, hasil pengembangan inilah disebut dengan **DISTRO** (Linux **DISTR**ibuti**ON**). Distribusi ini dapat berupa perangkat lunak gratis dan juga perangkat lunak komersial seperti Red Hat Enterprise dan lainnya. contoh distro linux yaitu : Ubuntu, OpenSUSE, Debian, Fedora, CentOS, Linux Mint, ZorinOS, Kali Linux dan lainnya.

2. Jelaskan 20 perintah yang sama diantara masing-masing distro!

Jawab :

- man <perintah> untuk melihat panduan.
- <perintah> - help untuk melihat panduan ringkas (hamper sama seperti man tetapi perintah ini hasil yang dimunculkan lebih ringkas dari pada perintah man).
- sudo untuk super user (menjalankan program sebagai user root atau super user).
- ls untuk masuk ke directory.
- cd untuk masuk ke directory.
- mkdir <nama folder> untuk membuat folder.
- pwd untuk melihat directory aktif.

- vim untuk membuka text editor.
- cp <asal> <tujuan> untuk menyalin file.
- mv <asal> <tujuan> untuk memindahkan folder.
- rm <file> untuk menghapus file.
- find <nama file> untuk mencari file.
- history untuk melihat riwayat.
- cat untuk melihat isi file.
- echo untuk menampilkan teks baris.
- grep untuk mencari kata.
- wc untuk menampilkan baris baru.
- sort untuk mengurutkan
- chmod untuk mengganti hak akses.
- chown untuk mengganti hak milik.
- su untuk mengganti user id.
- passwd untuk mengganti password.
- who untuk menampilkan user.
- ps untuk menampilkan snapshot.
- kill untuk menghentikan program.
- fdisk untuk menampilkan partisi.
- ifconfig untuk melihat ip.
- date untuk menampilkan tanggal.
- top untuk melihat proses secara urut.
- uname untuk melihat versi kernel.

3. Jelaskan maksud perintah 'init 0', 'init 1', 'init 2', 'init 3', 'init 4', 'init 5' dan 'init 6'!

Jawab :

- ✓ Init 0 => digunakan untuk maintenance, diagnostic hardware, booting selain dari disk misal dari cdrom.  
Command : init 0, shutdown -i0.
- ✓ Init 1 => single user mode, digunakan untuk menambahkan patches, backup/restore system. Di level ini kita bisa menjalankan/access semua file tapi user lain tidak bisa login ke dalam system kita.  
Command : init 1, shutdown -i1.
- ✓ Init 2 => multiuser mode, biasanya digunakan untuk dalam network tapi disini tidak ada resources yang di share.  
Command : init 2, shutdown -i2.
- ✓ Init 3 => memperluas multiuser mode, kita bisa membuat local resources share pada network kita sehingga kita bisa berbagi data di level ini dalam network.  
Command : init 3, shutdown -i3.
- ✓ Init 4 => untuk alternatif multiuser mode tetapi saat ini belum bisa digunakan.  
Command : init 4, shutdown -i4.

- ✓ Init 1 => untuk software/power off.  
Command : init 5, shutdown -i5.
- ✓ Init 1 => mengstop operating system kemudian reboot dan kembali ke initdefault nya yang ada di /etc/inittab.  
Command : init 6, shutdown -i6, init 1, shutdown -i1.

4. Jelaskan maksud dari perintah 'quota'!

Jawab : Quota adalah nilai batas yang ditetapkan untuk mengelola akses ke sumber daya sistem dan jaringan atau jumlah penyimpanan yang digunakan oleh User/Group tertentu. Jika di ditro linux quota berfungsi untuk menampilkan sisa disk space (menmpilkan ruang disk dan batasannya).