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LAPORAN TUGAS PRAKTIKUM

No	Jenis Praktikum	Foto
1.	Manajemen File	<pre>atunsema@cloudshell:~ (digital-well-443113-e2)\$ mkdir tugas_sistem_operasi mkdir: cannot create directory 'tugas_sistem_operasi': File exists atunsema@cloudshell:~ (digital-well-443113-e2)\$ ls baru f1.py filebaru.txt info_system.sh README-cloudshell.txt script1.sh script3.ag script5.sh text.txt baru.urut f2.py hello.txt latihan2 rmdirerror.txt script2.ag script3.sh script.sh tex.txt coba f3.py index.php latihanscript script script2.sh script4.sh sema tugas_sistem_operasi atunsema@cloudshell:~ (digital-well-443113-e2)\$ cd tugas_sistem -bash: cd: tugas_sistem: No such file or directory atunsema@cloudshell:~ (digital-well-443113-e2)\$ cd tugas_sistem_operasi atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ touch data1.txt data2.txt atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ mkdir backup atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ mv data2.txt backup atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ ls backup data1.txt atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ ls backup data2.txt atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ kill kill: usage: kill [-s sigspec -n signum -sigspec] pid jobspec ... or kill -l [sigspec] atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$</pre>
2.	Manajemen Proses	<pre>Welcome to Cloud Shell! Type 'help' to get started. Your Cloud Platform project in this session is set to digital-well-443113-e2. Use 'gcloud config set project [PROJECT_ID]' to change to a different project. atunsema@cloudshell:~ (digital-well-443113-e2)\$ ps -der UID PID PPID C STATE TTU TIME CMD root 5 0 0 T114 ? 0:00:00 /bin/bash /google/scripts/runrun.sh sleep infinity root 25 0 0 T114 ? 0:00:01 /usr/bin/python /usr/bin/supervisor -n -c /google/devshell/supervisord.conf --pidfile=/var/run/supervis root 70 0 0 T114 ? 0:00:00 sshd: /usr/sbin/sshd -p 22 -o AuthorizedKeysFile=/etc/ssh/keys/authorized_keys [listeners] 0 of 10-60 sta root 225 25 0 T114 ? 0:00:00 touch /var/run/docker.pid -muid1400 -registry mirror=huawei.com -storage-driver=devicemapper -storage-opt=dm root 265 207 0 T114 ? 0:00:04 containerd --config /var/run/docker/containerd/containerd.toml root 273 25 0 T114 ? 0:00:00 sudo /google/devshell/tmux-agent root 278 275 0 T114 ? 0:00:00 /google/devshell/tmux-agent root 446 1 0 T114 ? 0:00:00 sleep infinity atunsema 462 446 0 T114 pts/2 0:00:00 tmux new-session -A -D -n cloudshell -s 190732775 atunsema 464 463 0 T114 pts/2 0:00:00 -bash root 838 838 0 T114 ? 0:00:00 ssh: atunsema [priv] atunsema 859 838 0 T114 ? 0:00:00 sh /bin/codeccr-cloudshell --host=0.0.0.0 --port=3090 atunsema 862 859 0 T114 ? 0:00:15 /google/devshell/editor/code-nsa-for-cloud-shell/node /google/devshell/editor/code-nsa-for-cloud-shell/c atunsema 1391 464 0 T114 pts/2 0:00:00 vi script_info_system.sh root 70 0 0 T114 ? 0:00:00 sshd: atunsema [priv] atunsema 2053 2049 0 T114 ? 0:00:00 sshd: atunsema@pts/0 atunsema 2054 2053 0 T114 pts/0 0:00:00 bash -c (sudo touch /var/run/google/devshell/39137 6) atunsema 2057 2054 0 T114 pts/0 0:00:00 /bin/bash --nrc --noprofile atunsema 2067 463 0 T114 pts/4 0:00:00 -bash atunsema 2067 463 0 T114 pts/4 0:00:00 sshd: atunsema [priv] atunsema 2068 463 0 T114 pts/4 0:00:00 sshd: atunsema [priv] atunsema 2424 70 0 T114 ? 0:00:00 sshd: atunsema@pts/5 atunsema 1391 464 0 T114 pts/2 0:00:00 vi script_info_system.sh atunsema 1489 463 0 T114 pts/3 0:00:00 -bash root 70 0 0 T114 ? 0:00:00 sshd: atunsema [priv] atunsema 2053 2049 0 T114 ? 0:00:00 sshd: atunsema@pts/0 atunsema 2057 2054 0 T114 pts/0 0:00:00 bash -c (sudo touch /var/run/google/devshell/39137 6) atunsema 2067 463 0 T114 pts/4 0:00:00 /bin/bash --nrc --noprofile atunsema 2424 70 0 T114 ? 0:00:00 -bash atunsema 2424 70 0 T114 ? 0:00:00 sshd: atunsema [priv] atunsema 2424 70 0 T114 ? 0:00:00 sshd: atunsema [priv] atunsema 2429 2424 0 T114 pts/5 0:00:00 ssh: /usr/bin/python /usr/bin/supervisor -n -c /google/devshell/supervisord.conf --pidfile=/var/run/supervis atunsema 2433 2430 0 T114 pts/6 0:00:00 /bin/bash --nrc --noprofile atunsema 2437 2436 0 T114 pts/6 0:00:00 /bin/bash /google/devshell/start-shell.sh 19352493 false atunsema 2439 852 1 T114 ? 0:00:04 /google/devshell/editor/code-nsa-for-cloud-shell/node --dns-result-order=ip4first /google/devshell/edit atunsema 2442 2439 0 T114 ? 0:00:07 /google/devshell/editor/code-nsa-for-cloud-shell/node /google/devshell/editor/code-nsa-for-cloud-shell/e atunsema 2467 2439 0 T114 ? 0:00:00 /google/devshell/editor/code-nsa-for-cloud-shell/node /google/devshell/editor/code-nsa-for-cloud-shell/e atunsema 2502 70 0 T114 ? 0:00:00 sshd: atunsema [priv] atunsema 2503 2503 0 T114 ? 0:00:00 sshd: atunsema@pts/1 atunsema 2506 2506 0 T114 pts/1 0:00:00 bash -c if [-f /google/devshell/start-shell.sh]; then /google/devshell/start-shell.sh '' '' '' ' atunsema 2507 2506 0 T114 pts/1 0:00:00 /bin/bash /google/devshell/start-shell.sh 19480972 false atunsema 2508 2507 0 T114 pts/1 0:00:00 tmux new-session -A -D -n cloudshell -s 19480972 atunsema 2509 463 0 T114 pts/7 0:00:00 -bash atunsema 2509 463 0 T114 pts/7 0:00:00 ps -def atunsema@cloudshell:~ (digital-well-443113-e2)\$ su kill -9 464 su: invalid option: '9' Try 'su -help' for more information. atunsema@cloudshell:~ (digital-well-443113-e2)\$ sudo kill -9 464 atunsema@cloudshell:~ (digital-well-443113-e2)\$</pre>
3.	Pengelolaan Izin File	<pre>atunsema 2433 2430 0 08:07 pts/5 00:00:00 /bin/bash --nrc --noprofile atunsema 2437 2436 0 08:07 pts/6 0:00:00 /bin/bash /google/devshell/start-shell.sh 19352493 false atunsema 2439 852 1 08:07 ? 0:00:04 /google/devshell/editor/code-nsa-for-cloud-shell/node --dns-result-order=ip4first /google/devshell/edit atunsema 2442 2439 0 08:07 ? 0:00:07 /google/devshell/editor/code-nsa-for-cloud-shell/node /google/devshell/editor/code-nsa-for-cloud-shell/e atunsema 2467 2439 0 08:08 ? 0:00:00 /google/devshell/editor/code-nsa-for-cloud-shell/node /google/devshell/editor/code-nsa-for-cloud-shell/e root 2502 70 0 08:14 ? 0:00:00 sshd: atunsema [priv] atunsema 2503 2503 0 08:14 ? 0:00:00 sshd: atunsema@pts/1 atunsema 2506 2506 0 08:14 pts/1 0:00:00 bash -c if [-f /google/devshell/start-shell.sh]; then /google/devshell/start-shell.sh '' '' '' ' atunsema 2507 2506 0 08:14 pts/1 0:00:00 /bin/bash /google/devshell/start-shell.sh 19480972 false atunsema 2508 2507 0 08:14 pts/1 0:00:00 tmux new-session -A -D -n cloudshell -s 19480972 atunsema 2509 463 0 08:14 pts/7 0:00:00 -bash atunsema 2509 463 0 08:14 pts/7 0:00:00 ps -def atunsema@cloudshell:~ (digital-well-443113-e2)\$ su kill -9 464 su: invalid option: '9' Try 'su -help' for more information. atunsema@cloudshell:~ (digital-well-443113-e2)\$ sudo kill -9 464 atunsema@cloudshell:~ (digital-well-443113-e2)\$ mkdir tugas_sistem_operasi mkdir: cannot create directory 'tugas_sistem_operasi': File exists atunsema@cloudshell:~ (digital-well-443113-e2)\$ rmdir tugas_sistem_operasi rmdir: failed to remove 'tugas_sistem_operasi': Directory not empty atunsema@cloudshell:~ (digital-well-443113-e2)\$ rm -r tugas_sistem_operasi atunsema@cloudshell:~ (digital-well-443113-e2)\$ mkdir tugas_sistem_operasi atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ cd tugas_sistem_operasi atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ touch script.sh atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ chmod 700 script.sh total 0 -rw-r----- 1 atunsema atunsema 0 Dec 3 08:10 script.sh atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$</pre>
4.	Shell Scripting	<pre>atunsema 2436 2429 0 08:07 pts/6 0:00:00 bash -c if [-f /google/devshell/start-shell.sh]; then /google/devshell/start-shell.sh '' '' '' ' atunsema 2438 2437 0 08:07 pts/6 0:00:00 /bin/bash /google/devshell/start-shell.sh 19352493 false atunsema 2439 852 1 08:07 ? 0:00:04 /google/devshell/editor/code-nsa-for-cloud-shell/node --dns-result-order=ip4first /google/devshell/edit atunsema 2460 2439 1 08:08 ? 0:00:07 /google/devshell/editor/code-nsa-for-cloud-shell/node /google/devshell/editor/code-nsa-for-cloud-shell/e atunsema 2467 2439 0 08:08 ? 0:00:00 /google/devshell/editor/code-nsa-for-cloud-shell/node /google/devshell/editor/code-nsa-for-cloud-shell/e root 2502 70 0 08:14 ? 0:00:00 sshd: atunsema [priv] atunsema 2503 2503 0 08:14 ? 0:00:00 sshd: atunsema@pts/1 atunsema 2506 2506 0 08:14 pts/1 0:00:00 bash -c if [-f /google/devshell/start-shell.sh]; then /google/devshell/start-shell.sh '' '' '' ' atunsema 2507 2506 0 08:14 pts/1 0:00:00 /bin/bash /google/devshell/start-shell.sh 19480972 false atunsema 2508 2507 0 08:14 pts/1 0:00:00 tmux new-session -A -D -n cloudshell -s 19480972 atunsema 2509 463 0 08:14 pts/7 0:00:00 -bash atunsema 2509 463 0 08:14 pts/7 0:00:00 ps -def atunsema@cloudshell:~ (digital-well-443113-e2)\$ su kill -9 464 su: invalid option: '9' Try 'su -help' for more information. atunsema@cloudshell:~ (digital-well-443113-e2)\$ sudo kill -9 464 atunsema@cloudshell:~ (digital-well-443113-e2)\$ mkdir tugas_sistem_operasi mkdir: cannot create directory 'tugas_sistem_operasi': File exists atunsema@cloudshell:~ (digital-well-443113-e2)\$ rmdir tugas_sistem_operasi rmdir: failed to remove 'tugas_sistem_operasi': Directory not empty atunsema@cloudshell:~ (digital-well-443113-e2)\$ rm -r tugas_sistem_operasi atunsema@cloudshell:~ (digital-well-443113-e2)\$ mkdir tugas_sistem_operasi atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ cd tugas_sistem_operasi atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ touch script.sh atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ chmod 700 script.sh total 0 -rw-r----- 1 atunsema atunsema 0 Dec 3 08:10 script.sh atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ touch info_system.sh atunsema@cloudshell:~/tugas_sistem_operasi (digital-well-443113-e2)\$ nano info_system.sh</pre>

		<pre>atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ su kill -9 464 su: level 0 option: 0 Try 'su --help' for more information. atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ sudo kill -9 464 atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ mkdir tugas_sistem_operasi mkdir: cannot create directory 'tugas_sistem_operasi': File exists atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ rm -rf tugas_sistem_operasi rm: failed to remove 'tugas_sistem_operasi': Directory not empty atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ rm -rf tugas_sistem_operasi atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ mkdir tugas_sistem_operasi atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ cd tugas_sistem_operasi atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ touch script.sh atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ chmod 700 script.sh atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ ls -l total 0 -rwxr-xr-x 1 atunsema atunsema 0 Dec 3 08:40 script.sh atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ touch info_system.sh atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ nano info_system.sh atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ cat info_system.sh #!/bin/bash # Menampilkan waktu saat ini echo "Waktu saat ini: \$(date)" # Menampilkan nama pengguna yang sedang login echo "Pengguna yang sedang login: \$(whoami)" # Menampilkan total pengguna disk di sistem echo "Total pengguna disk di sistem" # Menampilkan informasi disk yang digunakan df -h grep "/" # Menampilkan informasi disk yang digunakan atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ █</pre>	Activate Windows Go to Settings to activate Windows.
5.	Manajemen Jaringan	<pre>atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ su kill -9 464 su: level 0 option: 0 Try 'su --help' for more information. atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ mkdir tugas_sistem_operasi mkdir: cannot create directory 'tugas_sistem_operasi': File exists atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ rm -rf tugas_sistem_operasi rm: failed to remove 'tugas_sistem_operasi': Directory not empty atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ rm -rf tugas_sistem_operasi atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ mkdir tugas_sistem_operasi atunsema@cloudshell:~\$ (digital-well-443113-e2)\$ cd tugas_sistem_operasi atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ touch script.sh atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ chmod 700 script.sh atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ ls -l total 0 -rwxr-xr-x 1 atunsema atunsema 0 Dec 3 08:40 script.sh atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ touch info_system.sh atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ nano info_system.sh atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ cat info_system.sh #!/bin/bash # Menampilkan waktu saat ini echo "Waktu saat ini: \$(date)" # Menampilkan nama pengguna yang sedang login echo "Pengguna yang sedang login: \$(whoami)" # Menampilkan total pengguna disk di sistem echo "Total pengguna disk di sistem" # Menampilkan informasi disk yang digunakan df -h grep "/" # Menampilkan informasi disk yang digunakan atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ █</pre> <pre>atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ ping www.google.com PING www.google.com (172.217.194.105) 56(84) bytes of data: 64 bytes from si-in-f105.1e100.net: icmp_seq=1 ttl=114 time=1.59 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=2 ttl=114 time=0.406 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=3 ttl=114 time=0.351 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=4 ttl=114 time=0.380 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=5 ttl=114 time=0.414 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=6 ttl=114 time=0.388 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=7 ttl=114 time=0.403 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=8 ttl=114 time=0.420 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=9 ttl=114 time=0.367 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=10 ttl=114 time=0.408 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=11 ttl=114 time=0.312 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=12 ttl=114 time=0.473 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=13 ttl=114 time=0.381 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=14 ttl=114 time=0.395 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=15 ttl=114 time=0.382 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=16 ttl=114 time=0.457 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=17 ttl=114 time=0.538 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=18 ttl=114 time=0.498 ms ^C 64 bytes from si-in-f105.1e100.net: icmp_seq=6 ttl=114 time=0.388 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=7 ttl=114 time=0.483 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=8 ttl=114 time=0.420 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=9 ttl=114 time=0.367 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=10 ttl=114 time=0.408 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=11 ttl=114 time=0.312 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=12 ttl=114 time=0.473 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=13 ttl=114 time=0.391 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=14 ttl=114 time=0.395 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=15 ttl=114 time=0.538 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=16 ttl=114 time=0.457 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=17 ttl=114 time=0.430 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=18 ttl=114 time=0.357 ms 64 bytes from si-in-f105.1e100.net: icmp_seq=20 ttl=114 time=0.305 ms ^C --- www.google.com ping statistics --- 20 packets transmitted, 20 received, 0% packet loss, time 1943ms rtt min/avg/max/mdev = 0.312/0.466/1.592/0.263 ms atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ ping -c 5 www.google.com PING www.google.com (142.251.10.105) 56(84) bytes of data: 64 bytes from sd-in-f105.1e100.net: icmp_seq=1 ttl=114 time=1.85 ms 64 bytes from sd-in-f105.1e100.net: icmp_seq=2 ttl=114 time=0.503 ms 64 bytes from sd-in-f105.1e100.net: icmp_seq=3 ttl=114 time=0.602 ms 64 bytes from sd-in-f105.1e100.net: icmp_seq=4 ttl=114 time=0.526 ms 64 bytes from sd-in-f105.1e100.net: icmp_seq=5 ttl=114 time=0.508 ms ^C --- www.google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 410ms rtt min/avg/max/mdev = 0.503/0.607/1.849/0.511 ms atunsema@cloudshell:~/tugas_sistem_operasi\$ (digital-well-443113-e2)\$ █</pre>	Activate Windows Go to Settings to activate Windows.