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LAPORAN TUGAS PRAKTIKUM		
No.	Jenis Praktikum	Foto
1.	Manajemen File	<pre>Welcome to Cloud Shell! Type "help" to get started. Your Cloud Platform project in this session is set to high-task-443506-p8. Use "gcloud config set project [PROJECT ID]" to change to a different project. dyahajaayu@cloudshell:~ (high-task-443506-p8)\$ mkdir tugas_sistem_operasi mkdir: cannot create directory 'tugas_sistem_operasi': File exists dyahajaayu@cloudshell:~ (high-task-443506-p8)\$ echo "testing" > data1.txt dyahajaayu@cloudshell:~ (high-task-443506-p8)\$ echo "testing" > data2.txt dyahajaayu@cloudshell:~ (high-task-443506-p8)\$ mv data1.txt mv: missing destination file operand after 'data1.txt' Try 'mv --help' for more information. dyahajaayu@cloudshell:~ (high-task-443506-p8)\$ mv data1.txt tugas_sistem_operasi dyahajaayu@cloudshell:~ (high-task-443506-p8)\$ mv data2.txt tugas_sistem_operasi dyahajaayu@cloudshell:~ (high-task-443506-p8)\$ ls tugas_sistem_operasi data1.txt data2.txt dyahajaayu@cloudshell:~ (high-task-443506-p8)\$ cd tugas_sistem_operasi dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$ mkdir backup dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$ mv data2.txt backup/ dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$ ls backup data2.txt dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$</pre>
2.	Manajemen Proses	<pre>dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$ ps aux USER PID %CPU %MEM VSZ PTY STAT START TIME COMMAND root 1 0.0 0.0 1252 352 ? Ss 08:43 0:00 /bin/bash /google/scripts/onrun.sh sleep infinity nyslog 9 0.0 0.0 222149 3000 ? Sl 08:43 0:00 /usr/sbin/nyslogd root 25 0.0 0.0 39004 28802 ? S 08:43 0:00 /usr/bin/python /usr/bin/supervisord -n -c /google/devshell/supervisord.conf --pidfile=/var/run/supervisor.pid --logfile=/var/log/sup root 26 0.0 0.0 6786 1452 ? S 08:43 0:00 /usr/bin/nc -t -l -p 22 -c 'AuthorizedKeysFile=/etc/ssh/keys/authorized_keys (listeners) 0 of 10-60 startups root 70 0.0 0.0 12029 4200 ? Scs 08:43 0:00 sshd: /usr/sbin/sshd -p 22 -c AuthorizedKeysFile=/etc/ssh/keys/authorized_keys (listeners) 0 of 10-60 startups root 209 0.0 0.0 2060048 74820 ? Sl 08:43 0:00 /usr/bin/dockerd -p /var/run/docker.pid --mtu=1460 --registry-mirror=https://asia-mirror.gcr.io root 244 0.0 0.0 140044 44314 ? Sl 08:43 0:00 containerd --config /var/run/docker/containerd/containerd.toml root 270 0.0 0.0 1201969 6794 ? Sl 08:43 0:00 /google/devshell/editor/proxy-editor-proxy -static-content-dir=/google/devshell/editor/themes/lib -static-file=/google/devshell/editor/p root 271 0.0 0.0 16320 6300 ? S 08:43 0:00 sudo /google/devshell/tmux-agent root 275 0.0 0.0 1224100 1852 ? Sl 08:43 0:00 /google/devshell/tmux-agent root 440 0.0 0.0 2686 1064 ? S 08:43 0:00 sleep infinity root 441 0.0 0.1 14692 8204 ? Scs 08:43 0:00 sshd: dyahajaayu@pts/1 root 443 0.0 0.1 14692 8204 ? Scs 08:43 0:00 sshd: dyahajaayu@pts/1 dyahaja+ 447 0.0 0.0 14352 6428 ? Scs 08:43 0:00 sshd: dyahajaayu@pts/0 dyahaja+ 448 0.0 0.0 14352 6444 ? Scs 08:43 0:00 sshd: dyahajaayu@pts/1 dyahaja+ 449 0.0 0.0 7540 3532 pts/0 Scs 08:43 0:00 bash -c /usr/bin/nc -t -l -p 22 -c 'AuthorizedKeysFile=/etc/ssh/keys/authorized_keys (listeners) 0 of 10-60 startups dyahaja+ 452 0.0 0.0 7604 4280 pts/0 Scs 08:43 0:00 /bin/bash --rcrc --nostrfile dyahaja+ 453 0.0 0.0 7540 3724 pts/1 Scs+ 08:43 0:00 bash -c if [-f /google/devshell/start-shell.sh]; then /google/devshell/start-shell.sh '' 'high-task-443506-p8' '' '104624809' dyahaja+ 454 0.0 0.0 7540 3532 pts/1 Scs+ 08:43 0:00 /bin/bash /google/devshell/start-shell.sh high-task-443506-p8 104624809 false dyahaja+ 460 0.0 0.0 6800 3264 pts/1 Scs+ 08:43 0:00 tmux new-session -A -D -n cloudshell -s 104624809 dyahaja+ 462 0.0 0.0 7288 2708 ? Scs 08:43 0:00 tmux new-session -A -D -n cloudshell -s 104624809 dyahaja+ 463 0.0 0.0 5792 5916 pts/2 Scs+ 08:43 0:00 -bash dyahaja+ 505 0.0 0.0 3752 3704 pts/4 Scs+ 08:43 0:00 -bash root 1189 0.0 0.1 14692 8208 ? Scs 08:44 0:00 sshd: dyahajaayu@pts/1 dyahaja+ 1191 0.0 0.0 14352 6440 ? Scs+ 08:44 0:00 sshd: dyahajaayu@pts/5 dyahaja+ 1192 0.0 0.0 7540 3604 pts/5 Scs+ 08:44 0:00 bash -c if [-f /google/devshell/start-shell.sh]; then /google/devshell/start-shell.sh '' 'high-task-443506-p8' '' '108122007' dyahaja+ 1193 0.0 0.0 7540 3760 pts/5 Scs+ 08:44 0:00 /bin/bash /google/devshell/start-shell.sh high-task-443506-p8 108122007 false dyahaja+ 1197 0.0 0.0 6800 3332 pts/5 Scs+ 08:44 0:00 tmux new-session -A -D -n cloudshell -s 108122007 dyahaja+ 1228 0.0 0.0 10800 4454 pts/2 Scs+ 08:40 0:00 ps aux dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$ kill 1197</pre>
3.	Pengelolaan izin file	<pre>dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$ touch script.sh dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$ chmod 700 script.sh dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$ ls -l script.sh -rwx----- 1 dyahajaayu dyahajaayu 0 Dec 2 08:51 script.sh dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$</pre>
4.	Shell Scripting	<pre>dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$ ls info system.sh dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$ chmod 4x info system.sh dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$./info system.sh Mon Dec 2 09:07:02 AM UTC 2024 dyahajaayu Filesystem Size Used Avail Use% Mounted on overlay 85G 60G 35G 69% / tmpfs 64M 0 64M 0% /dev /dev/sda1 85G 60G 35G 69% /root /dev/disk/by-id/google-home-part1 4.9G 20M 4.6G 1% /home /dev/root 2.0G 1.2G 1.0M 59% /usr/lib/modules shm 64M 0 64M 0% /dev/shm tmpfs 1.6G 876K 1.6G 1% /google/host/var/run tmpfs 1.2M 0 1.0M /google/host/var/run/gcloud/mnt gcloud 64M 0 64M /google/host/var/run/containerd/io.containerd.grpc.v1.cri/sandboxes/60272b3c5646b29074451c1bb4e11937101e10d0d8a175164e6659944/shm shm 64M 0 64M /google/host/var/run/containerd/io.containerd.grpc.v1.cri/sandboxes/60272b3c5646b29074451c1bb4e11937101e10d0d8a175164e6659944/shm shm 64M 0 64M /google/host/var/run/containerd/io.containerd.grpc.v1.cri/sandboxes/60272b3c5646b29074451c1bb4e11937101e10d0d8a175164e6659944/shm dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$</pre>
5.	Manajemen Jaringan	<pre>dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$ ping -c 5 www.google.com PING www.google.com (142.251.10.106) 56(84) bytes of data. 64 bytes from sd-in-f106.1e100.net (142.251.10.106): icmp_seq=1 ttl=117 time=2.54 ms 64 bytes from sd-in-f106.1e100.net (142.251.10.106): icmp_seq=2 ttl=117 time=0.465 ms 64 bytes from sd-in-f106.1e100.net (142.251.10.106): icmp_seq=3 ttl=117 time=0.535 ms 64 bytes from sd-in-f106.1e100.net (142.251.10.106): icmp_seq=4 ttl=117 time=0.449 ms 64 bytes from sd-in-f106.1e100.net (142.251.10.106): icmp_seq=5 ttl=117 time=0.466 ms --- www.google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 4064ms rtt min/avg/max/mdev = 0.449/0.891/2.540/0.825 ms dyahajaayu@cloudshell:~/tugas_sistem_operasi (high-task-443506-p8)\$</pre>



