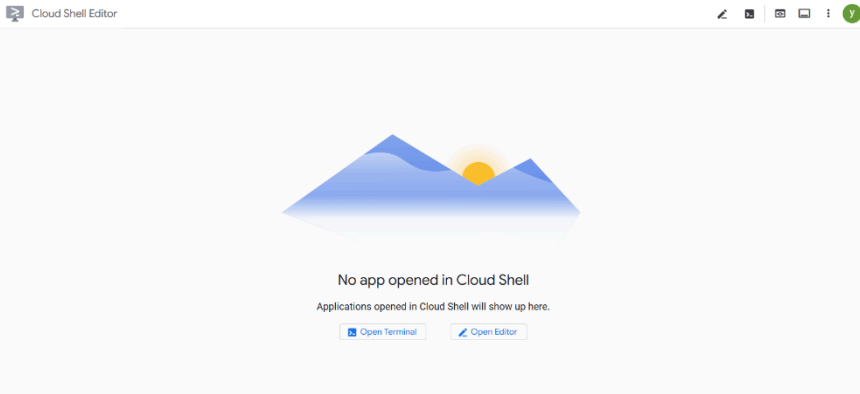


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Alamat Github : <https://github.com/Diva367/Sistem-Operasi.git>

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 dynamic-style-442107-v6. yvaine631@cloudshell:~ (dynamic-style-442107-v6)\$ mkdir tugas_sistem_operasi yvaine631@cloudshell:~ (dynamic-style-442107-v6)\$ cd tugas_sistem_operasi yvaine631@cloudshell:~/tugas_sistem_operasi (dynamic-style-442107-v6)\$ touch data1.txt data2.txt yvaine631@cloudshell:~/tugas_sistem_operasi (dynamic-style-442107-v6)\$ mkdir backup yvaine631@cloudshell:~/tugas_sistem_operasi (dynamic-style-442107-v6)\$ mv data2.txt backup/ yvaine631@cloudshell:~/tugas_sistem_operasi (dynamic-style-442107-v6)\$ ls -lr data1.txt backup yvaine631@cloudshell:~/tugas_sistem_operasi (dynamic-style-442107-v6)\$ ls backup data2.txt yvaine631@cloudshell:~/tugas_sistem_operasi (dynamic-style-442107-v6)\$ █ </pre>
2	Manajemen Proses	<p>Before</p> <pre> yvaine631@cloudshell:~ (dynamic-style-442107-v6)\$ ps aux USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND root 1 0.0 0.0 4324 3324 ? Ss 06:19 0:00 /bin/bash /google/scripts/onrun.sh sleep infinity root 9 0.0 0.0 222140 3116 ? Ssl 06:19 0:00 /usr/sbin/sshd root 25 0.0 0.3 39004 28776 ? S 06:19 0:01 /usr/bin/python /usr/bin/supervisord -n -c /google/devshell/supervisord.conf --pid root 26 0.0 0.0 6136 1488 ? S 06:19 0:00 logger -t supervisord root 70 0.0 0.0 12020 432 ? Sca 06:19 0:00 sashd /usr/sbin/sashd -p 22 -o AuthorizedKeysFile=/etc/ssh/keys/authorized_keys [li root 209 0.0 0.9 1986592 73728 ? Sl 06:19 0:00 /usr/bin/dockerd -p /var/run/docker.pid --mtu=1460 --registry-mirror=https://asia- root 268 0.0 0.5 1800564 43928 ? Ssl 06:19 0:06 containerd --config /var/run/docker/containerd/containerd.toml root 277 0.0 0.1 1223120 11364 ? Sl 06:19 0:01 /google/devshell/editor/proxy/editor-proxy --static-content-dir=/google/devshell/ed root 278 0.0 0.0 16320 6148 ? S 06:19 0:00 sudo /google/devshell/tmux-agent root 284 0.0 0.0 1226100 1940 ? Sl 06:19 0:00 /google/devshell/tmux-agent root 447 0.0 0.0 2696 1100 ? S 06:19 0:00 sleep infinity yvaine6+ 461 0.0 0.0 7420 3084 ? Sca 06:19 0:00 tmux new-session -A -D -n cloudshell -s 101063481 yvaine6+ 462 0.0 0.0 8792 5888 pts/1 Sca+ 06:19 0:00 -bash root 843 0.0 0.0 9196 3316 ? S 06:20 0:00 runner -l yvaine631 -c export GOPATH=/home/yvaine631/gopath:/google/gopath HOME=/ yvaine6+ 844 0.0 0.0 4324 3272 ? Ss 06:20 0:00 sh ./bin/codeoss-cloudshell --host=0.0.0.0 --port=3000 yvaine6+ 857 0.1 1.6 11838092 132640 ? Sl 06:20 0:11 /google/devshell/editor/code-oss-for-cloud-shell/node /google/devshell/editor/code yvaine6+ 1392 0.0 0.0 8792 2952 pts/3 Sca+ 07:41 0:00 -bash root 2496 0.0 0.0 13992 7908 ? Sca 08:21 0:00 sashd: yvaine631 [priv] root 2498 0.0 0.0 13992 7908 ? Sca 08:21 0:00 sashd: yvaine631 [priv] yvaine6+ 2500 0.0 0.0 14252 6036 ? Sc+ 08:21 0:00 sashd: yvaine631@pts/2 yvaine6+ 2501 0.0 0.0 14252 6260 ? Sc+ 08:21 0:00 sashd: yvaine631@pts/3 yvaine6+ 2502 0.0 0.0 7340 3796 pts/2 Sca 08:21 0:00 bash -c (sudo touch /var/run/google/devshell/36569 &) trap "sudo rm -f yvaine6+ 2505 0.0 0.0 7404 4212 pts/2 Sca+ 08:21 0:00 /bin/bash --nrc --noprofile yvaine6+ 2508 0.0 0.0 7340 3784 pts/3 Sca+ 08:21 0:00 bash -c if [-f /google/devshell/start-shell.sh]; then /google/devshell/start-s yvaine6+ 2509 0.0 0.0 7340 3604 pts/3 Sca+ 08:21 0:00 /bin/bash /google/devshell/start-shell.sh 108397619 false yvaine6+ 2510 0.0 0.0 6880 3268 pts/3 Sca+ 08:21 0:00 tmux new-session -A -D -n cloudshell -s 108397619 yvaine6+ 2511 0.0 0.0 8792 5900 pts/6 Sca 08:21 0:00 -bash yvaine6+ 2688 0.3 3.0 11552396 244600 ? Sl 08:21 0:08 /google/devshell/editor/code-oss-for-cloud-shell/node --dns-result-order=ipv4first yvaine6+ 2887 0.3 4.9 1625360 400668 ? Sl 08:22 0:08 /google/devshell/editor/code-oss-for-cloud-shell/node /google/devshell/editor/code yvaine6+ 2894 0.0 0.5 992732 46456 ? Sl 08:22 0:00 /google/devshell/editor/code-oss-for-cloud-shell/node /google/devshell/editor/code yvaine6+ 3082 0.0 0.0 10888 9436 pts/6 Rcs+ 08:04 0:00 ps aux yvaine631@cloudshell:~ (dynamic-style-442107-v6)\$ kill 2510 </pre> <p>After</p> 

3	Pengelolaan Izin File	<pre> yvaine631@cloudshell:~/tugas_sistem_operasi (dynamic-style-442107-v6)\$ touch script.sh yvaine631@cloudshell:~/tugas_sistem_operasi (dynamic-style-442107-v6)\$ chmod 700 script.sh yvaine631@cloudshell:~/tugas_sistem_operasi (dynamic-style-442107-v6)\$ ls -l total 4 drwxrwxr-x 2 yvaine631 yvaine631 4096 Dec 2 07:43 backup -rw-rw-r-- 1 yvaine631 yvaine631 0 Dec 2 07:42 data1.txt -rwx----- 1 yvaine631 yvaine631 0 Dec 2 08:50 script.sh yvaine631@cloudshell:~/tugas_sistem_operasi (dynamic-style-442107-v6)\$ </pre>
4	Shell Scripting	<pre> yvaine631@cloudshell:~ (dynamic-style-442107-v6)\$ touch info_system.sh yvaine631@cloudshell:~ (dynamic-style-442107-v6)\$ vi info_system.sh yvaine631@cloudshell:~ (dynamic-style-442107-v6)\$ cat info_system.sh #!/bin/bash # menampilkan waktu saat ini date # nama pengguna yang sedang login whoami # menampilkan total pengguna disk df -h yvaine631@cloudshell:~ (dynamic-style-442107-v6)\$ chmod +x info_system.sh yvaine631@cloudshell:~ (dynamic-style-442107-v6)\$./info_system.sh Mon Dec 2 09:20:11 AM UTC 2024 yvaine631 Filesystem Size Used Avail Use% Mounted on overlay 85G 60G 35G 63% / tmpfs 64M 0 64M 0% /dev /dev/sda1 95G 60G 35G 63% /root /dev/disk/by-id/google-home-part1 4.0G 20M 4.0G 1% /home /dev/root 2.0G 1.2G 819M 59% /usr/lib/modules shm 64M 0 64M 0% /dev/shm tmpfs 1.6G 876K 1.6G 1% /google/host/var/run gcfsd 1.2M 1.2M 0 100% /google/host/var/run/containerd/io.containerd.grpc.v1.cri/sandboxea/703b2209baa6b986bdc13fb1547af46af599ed64687bc5393b5aa9ad44 shm 64M 0 64M 0% /google/host/var/run/containerd/io.containerd.grpc.v1.cri/sandboxea/58fbbf04439219e9a19f2573d94daa5ec75ccf94fb959d581e1681e72c 2a9fc3/shm shm 64M 0 64M 0% /google/host/var/run/containerd/io.containerd.grpc.v1.cri/sandboxea/58fbbf04439219e9a19f2573d94daa5ec75ccf94fb959d581e1681e72c 17bc63/shm yvaine631@cloudshell:~ (dynamic-style-442107-v6)\$ </pre>
5	Manajemen Jaringan	<pre> yvaine631@cloudshell:~/tugas_sistem_operasi (dynamic-style-442107-v6)\$ cd ~ yvaine631@cloudshell:~ (dynamic-style-442107-v6)\$ ping -c 5 www.google.com PING www.google.com (142.250.4.104) 56(84) bytes of data: 64 bytes from sm-in-f104.1e100.net (142.250.4.104): icmp_seq=1 ttl=114 time=1.57 ms 64 bytes from sm-in-f104.1e100.net (142.250.4.104): icmp_seq=2 ttl=114 time=0.266 ms 64 bytes from sm-in-f104.1e100.net (142.250.4.104): icmp_seq=3 ttl=114 time=0.302 ms 64 bytes from sm-in-f104.1e100.net (142.250.4.104): icmp_seq=4 ttl=114 time=0.251 ms 64 bytes from sm-in-f104.1e100.net (142.250.4.104): icmp_seq=5 ttl=114 time=0.283 ms --- www.google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 4057ms rtt min/avg/max/mdev = 0.251/0.534/1.569/0.517 ms yvaine631@cloudshell:~ (dynamic-style-442107-v6)\$ </pre>