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Alamat Github : <https://github.com/gizaAnntsy/sistem-operasi.git>

LAPORAN TUGAS PRAKTIKUM		
No	Jenis Praktikum	Foto
1.	Manajemen File	 <pre>Welcome to Cloud Shell! Type "help" to get started. To set your Cloud Platform project in this session use "gcloud config set project [PROJECT_ID]" gizatiara334@cloudshell:~\$ cd tugas_sistem_operasi -bash: cd: tugas_sistem_operasi: No such file or directory gizatiara334@cloudshell:~\$ mkdir tugas_sistem_operasi gizatiara334@cloudshell:~\$ ls -lrth total 28K -rwxrwxr-x 2 gizatiara334 gizatiara334 4.0K Oct 2 07:05 latihan2 -rw-rw-r-- 1 gizatiara334 gizatiara334 59 Oct 2 07:04 rmdirerror.txt -rw-rw-r-- 1 gizatiara334 gizatiara334 215 Oct 2 08:00 baru.urut -rw-rw-r-- 1 gizatiara334 gizatiara334 1.8K Oct 2 12:16 gizaurelya -rw-rw-r-- 1 gizatiara334 gizatiara334 3.1K Oct 2 12:22 giza -rw-rw-r-- 1 gizatiara334 gizatiara334 0 Nov 19 07:37 f3.py -rw-rw-r-- 1 gizatiara334 gizatiara334 0 Nov 19 07:37 f2.py -rw-rw-r-- 1 gizatiara334 gizatiara334 0 Nov 19 07:37 f1.py -rw-rw-r-- 1 gizatiara334 gizatiara334 0 Nov 19 08:03 belajar.sh -rw-rw-r-- 1 gizatiara334 gizatiara334 0 Dec 4 05:12 datal.txt -rw-r--r-- 1 gizatiara334 gizatiara334 913 Dec 4 05:17 README-cloudshell.txt drwxrwxr-x 2 gizatiara334 gizatiara334 4.0K Dec 4 05:18 tugas_sistem_operasi gizatiara334@cloudshell:~\$ touch datal.txt data2.txt gizatiara334@cloudshell:~\$ mkdir backup gizatiara334@cloudshell:~\$ mv data2.txt backup/ gizatiara334@cloudshell:~\$ ls -l tugas_sistem_operasi rmdirerror.txt README-cloudshell.txt latihan2 gizaurelya giza f3.py f2.py f1.py datal.txt belajar.sh baru.urut backup data2.txt gizatiara334@cloudshell:~\$</pre>
2.	Manajemen Proses	<p>Langkah-langkah mematikan proses menggunakan perintah kill:</p> <ol style="list-style-type: none">1.Menggunakan perintah ps -def untuk menemukan PID Proses yang diinginkan2.Menjalankan perintah kill diikuti dengan PID untuk memaksa penghentian proses3.Jika perlu gunakan perintah kill -9 untuk memaksa penghentian proses  <pre>Cloud Shell Terminal gizatiara334@cloudshell:~\$ ps -def pslog 9 1 0 05:02 ? 00:00:00 /usr/sbin/rngd root 25 1 0 05:02 ? 00:00:00 /usr/bin/python3 /usr/bin/sup root 26 1 0 05:02 ? 00:00:00 logger -t supervisord root 70 1 0 05:02 ? 00:00:00 sshd: /usr/sbin/sshd -p 22 - root 206 1 0 05:02 ? 00:00:00 /usr/sbin/dockerd -s /var/run root 263 206 0 05:02 ? 00:00:02 containerd --config /var/run root 272 25 0 05:02 ? 00:00:00 /google/devshell/editors/pros root 273 25 0 05:02 ? 00:00:00 sudo /google/devshell/tmux-a root 274 273 0 05:02 ? 00:00:00 /google/devshell/tmux-agent root 439 1 0 05:02 ? 00:00:00 sleep infinity root 1206 70 0 05:05 ? 00:00:00 sshd: gizatiara334 [priv] gizatiara334 1555 1206 0 05:05 ? 00:00:00 sshd: gizatiara334@pts/3 gizatiara334 1556 1555 0 05:05 pts/3 00:00:00 bash -c (sudo touch /var/run gizatiara334 1558 1556 0 05:05 pts/3 00:00:00 /bin/bash --rcfile /etc/prof root 2062 70 0 05:41 ? 00:00:00 sshd: gizatiara334 [priv] gizatiara334 2064 2062 0 05:42 ? 00:00:00 sshd: gizatiara334@pts/0 gizatiara334 2065 2064 0 05:41 pts/0 00:00:00 bash -c if [-f /google/devs gizatiara334 2066 2065 0 05:41 pts/0 00:00:00 /bin/bash /google/devshell/a gizatiara334 2067 2066 0 05:41 pts/0 00:00:00 tmux new-session -A -D -n ci gizatiara334 2069 1 0 05:41 ? 00:00:00 tmux new-session -A -D -n ci gizatiara334 2070 2069 0 05:41 pts/1 00:00:00 -bash gizatiara334 2427 2070 0 05:42 pts/1 00:00:00 ps -def gizatiara334@cloudshell:~\$ sudo kill -9 1555 gizatiara334@cloudshell:~\$</pre>
3.	Pengelolaan izin file	 <pre>gizatiara334@cloudshell:~\$ mkdir tugas_sistem_operasi gizatiara334@cloudshell:~\$ touch script.sh gizatiara334@cloudshell:~\$ chmod 700 script.sh gizatiara334@cloudshell:~\$ ls -l script.sh -rwx----- 1 gizatiara334 gizatiara334 0 Dec 4 06:03 script.sh gizatiara334@cloudshell:~\$</pre>

4.	Shell Scripting	<pre>Welcome to Cloud Shell! Type "help" to get started. To set your Cloud Platform project in this session use "gcloud config set project [PROJECT_ID]" gizatiara334@cloudshell:~\$ nano info_system.sh gizatiara334@cloudshell:~\$ ls backup belajar.sh f1.py f3.py gizaurelya latihan2 rmdirerror.txt tugas_sistem_operasi baru.urut data1.txt f2.py giza info_system.sh README-cloudshell.txt script.sh gizatiara334@cloudshell:~\$ cat info_system.sh #!/bin/bash #Menampilkan waktu saat ini echo "waktu saat ini: \$(date)" #Menampilkan nama pengguna yang sedang login echo "nama pengguna yang sedang login: \$(whoami)" #Menampilkan total pengguna disk di sistem echo "total pengguna disk:" df -h grep '/dev' gizatiara334@cloudshell:~\$ chmod +x info_system.sh gizatiara334@cloudshell:~\$./info_system.sh waktu saat ini: Wed Dec 4 07:24:16 AM UTC 2024 nama pengguna yang sedang login: gizatiara334 total pengguna disk: /dev/sdal 95G 60G 35G 63% /root /dev/disk/by-id/google-home-part1 4.8G 216K 4.6G 1% /home /dev/root 2.0G 1.2G 814M 59% /usr/lib/modules gizatiara334@cloudshell:~\$</pre>
5.	Manajemen jaringan	<pre>To set your Cloud Platform project in this session use "gcloud config set project [PROJECT_ID]" gizatiara334@cloudshell:~\$ ping www.google.com PING www.google.com (142.251.175.104) 56(84) bytes of data. 64 bytes from sh-in-fl04.1e100.net (142.251.175.104): icmp_seq=1 ttl=114 time=2.13 ms 64 bytes from sh-in-fl04.1e100.net (142.251.175.104): icmp_seq=2 ttl=114 time=0.489 ms 64 bytes from sh-in-fl04.1e100.net (142.251.175.104): icmp_seq=3 ttl=114 time=0.517 ms 64 bytes from sh-in-fl04.1e100.net (142.251.175.104): icmp_seq=4 ttl=114 time=0.503 ms 64 bytes from sh-in-fl04.1e100.net (142.251.175.104): icmp_seq=5 ttl=114 time=0.505 ms 64 bytes from sh-in-fl04.1e100.net (142.251.175.104): icmp_seq=6 ttl=114 time=0.565 ms 64 bytes from sh-in-fl04.1e100.net (142.251.175.104): icmp_seq=7 ttl=114 time=0.489 ms 64 bytes from sh-in-fl04.1e100.net (142.251.175.104): icmp_seq=8 ttl=114 time=0.497 ms 64 bytes from sh-in-fl04.1e100.net (142.251.175.104): icmp_seq=9 ttl=114 time=0.517 ms 64 bytes from sh-in-fl04.1e100.net (142.251.175.104): icmp_seq=10 ttl=114 time=0.544 ms ^C --- www.google.com ping statistics --- 10 packets transmitted, 10 received, 0% packet loss, time 923ms rtt min/avg/max/mdev = 0.489/0.675/2.128/0.484 ms gizatiara334@cloudshell:~\$ ping -c 5 www.google.com PING www.google.com (142.251.12.104) 56(84) bytes of data. 64 bytes from se-in-fl04.1e100.net (142.251.12.104): icmp_seq=1 ttl=114 time=3.84 ms 64 bytes from se-in-fl04.1e100.net (142.251.12.104): icmp_seq=2 ttl=114 time=0.540 ms 64 bytes from se-in-fl04.1e100.net (142.251.12.104): icmp_seq=3 ttl=114 time=0.544 ms 64 bytes from se-in-fl04.1e100.net (142.251.12.104): icmp_seq=4 ttl=114 time=0.553 ms 64 bytes from se-in-fl04.1e100.net (142.251.12.104): icmp_seq=5 ttl=114 time=0.581 ms --- www.google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 405ms rtt min/avg/max/mdev = 0.540/1.211/3.840/1.314 ms gizatiara334@cloudshell:~\$</pre> 