3. Create an instance with Linux OS of your choice. The instance should run apache server that displays your name when the webpage is accessed via a browser. The task should be completed without accessing the instance via SSH. Stop the instance (using CLI) and restart the instance (again using CLI) and check again if the apache server is running. View the log file of the server startup.

1. In the GCP Navigation menu, go to Compute Engine > VM instances.
2. Click on 'CREATE INSTANCE'.
3. Give you instance a suitable name and select your desired region and zone.
4. Under Boot disk, select any Linux OS image.
5. Under Firewall, allow HTTP and HTTPS traffic.
6. Click on 'Management, security, disks, networking, sole tenancy' option and you'll see the Management tab.
7. Add the following Startup script:
   ```
   #!/bin/bash
   apt-get update
   apt-get install -y apache2
   /etc/init.d/apache2 start
   cat <<EOF > /var/www/html/index.html
   <html>
   <body>
   <p>My name is Avinash</p>
   </body>
   </html>
   EOF
   ```
8. Noe, click on Create.
9. Open your browser and type your instance's external ip address in the address bar to check whether the apache server is working or not.
10. Now, type the following command in your computer's terminal to stop the instance:
    avinash@Quantiphi-929:~$ **gcloud compute instances stop av-a2-q3**
    Stopping instance(s) av-a2-q3...done.
    Updated [https://www.googleapis.com/compute/v1/projects/pe-training/zones/us-central1-a/instances/av-a2-q3].
11. Type the following command to again start your instance:
    avinash@Quantiphi-929:~$ **gcloud compute instances start av-a2-q3**
    Starting instance(s) av-a2-q3...done.
    Updated [https://www.googleapis.com/compute/v1/projects/pe-training/zones/us-central1-a/instances/av-a2-q3].
12. Now perform step 9 again to check if the apache server is running.
13. Now, to view the log file of the server startup, SSH into your instance and go to /var/log directory:
    cd /var/log
14. Open the daemon.log file:
    nano daemon.log
15. scroll to the bottom to view the startup logs.