1. Install Nginx on your server and ensure the service is running.

Solution for 1

sudo apt install nginx

sudo systemctl start nginx

sudo systemctl status nginx

1. Configure Nginx to start automatically on boot.

Solution for 2

sudo apt install nginx

1. Edit unit file for Nginx to print the current machine time whenever the service started

Solution for 3

sudo mkdir -p /etc/systemd/system/nginx.service.d

sudo vim /etc/systemd/system/nginx.service.d/override.conf

#####add next statement to file###

[Service]

ExecStartPre=/bin/sh -c 'echo "Nginx started at: $(date)" >> /var/log/nginx-startup.log'

###press escape and wq##

sudo systemctl daemon-reload

sudo systemctl restart nginx

cat /var/log/nginx-startup.log

1. Search for patterns in Nginx logs to extract lines that only contain http\_status\_code 200 OK. (hint: use *cat* - *grep* commands)

Solution for 4

cat /var/log/nginx/access.log | grep ' 200 '