

Task1:

```
soha@ubuntu:~$ sudo apt install -y nginx
[sudo] password for soha:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nginx is already the newest version (1.24.0-2ubuntu7.5).
```

```
soha@ubuntu:~$ sudo systemctl restart nginx
sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
   Active: active (running) since Sat 2025-09-20 18:32:37 UTC; 10s ago
     Docs: man:nginx(8)
   Process: 51719 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
   Process: 51721 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
  Main PID: 51722 (nginx)
    Tasks: 4 (limit: 6846)
   Memory: 3.0M (peak: 3.3M)
      CPU: 25ms
   CGroup: /system.slice/nginx.service
           └─51722 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
              └─51723 "nginx: worker process"
                 └─51724 "nginx: worker process"
                    └─51726 "nginx: worker process"

Sep 20 18:32:36 ubuntu systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server..
Sep 20 18:32:37 ubuntu systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
```

```
root@ubuntu:/etc/nginx/sites-available# vim peter.conf
root@ubuntu:/etc/nginx/sites-available# ls -l
total 8
-rw-r--r-- 1 root root 2412 Nov 30 2023 default
-rw-r--r-- 1 root root 2426 Sep 20 18:48 peter.conf
root@ubuntu:/etc/nginx/sites-available# ln -s ../sites-available/peter.conf .
> ^C
root@ubuntu:/etc/nginx/sites-available# ln -s ../sites-available/peter.conf .
ln: failed to create symbolic link './peter.conf': File exists
root@ubuntu:/etc/nginx/sites-available# cd ../sites-enabled/
root@ubuntu:/etc/nginx/sites-enabled# ln -s ../sites-available/peter.conf .
root@ubuntu:/etc/nginx/sites-enabled# ls
default peter.conf
root@ubuntu:/etc/nginx/sites-enabled# ls -l
total 0
lrwxrwxrwx 1 root root 34 Sep 20 17:56 default -> /etc/nginx/sites-available/default
lrwxrwxrwx 1 root root 29 Sep 20 18:51 peter.conf -> ../sites-available/peter.conf
```

```
root@ubuntu:/etc/nginx/sites-enabled# nginx -t
2025/09/20 18:54:39 [emerg] 52007#52007: a duplicate default server for 0.0.0.0:80 in /etc/nginx/sites-enabled/peter.conf:22
nginx: configuration file /etc/nginx/nginx.conf test failed
root@ubuntu:/etc/nginx/sites-enabled# rm default
root@ubuntu:/etc/nginx/sites-enabled# nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
root@ubuntu:/etc/nginx/sites-enabled# systemctl reload nginx
root@ubuntu:/etc/nginx/sites-enabled# curl -H "Host: www.peter.com" localhost
<html>
<head><title>404 Not Found</title></head>
<body>
<center><h1>404 Not Found</h1></center>
<hr><center>nginx/1.24.0 (Ubuntu)</center>
</body>
</html>
```