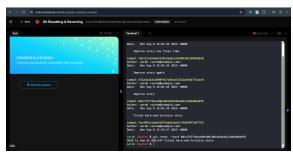
سيدمجتبي ميرسليماني بافقي

تسک گیت



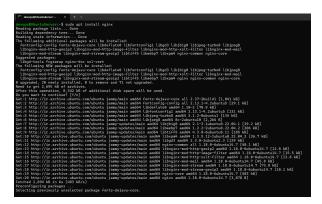




Nginx - تسک چهارم

• تمرین 1: نصب و راهاندازی ساده Nginx





• تمرین 2: سرو کردن یک سایت استاتیک با Nginx

• تمرین :3 پیکربندی Proxy Reverse با Nginx

```
from flask import Flask
app = Flask(__name__)

@app.route('/')
def handle():
    return "Hello from Semir! in flask app."

if "__main__" == __name__:
    app.run(port=300|b)
...
```

```
← → C △ Not secure 192.168.238.1
```

Hello from Semir! in flask app.

```
(venv) devops@UbuntuServer:~/nginx$ python app.py
 * Serving Flask app 'app'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:3000
Press CTRL+C to quit
127.0.0.1 - - [12/Sep/2025 22:48:14] "GET / HTTP/1.0" 200 -
```

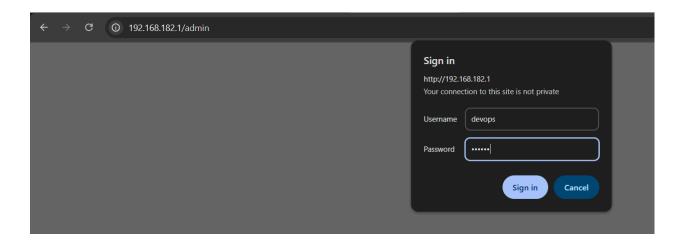
```
(venv) devops@UbuntuServer:~/nginx$ python app.py
  * Serving Flask app 'app'
  * Debug mode: off
warning: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
  * Running on http://127.0.0.1:3000
Press CTRL+C to quit
127.0.0.1 - - [12/Sep/2025 22:48:14] "GET / HTTP/1.0" 200 -
```

```
user devops;
worker_processes auto;
error_log /var/log/nginx/error.log;
pid /run/nginx.pid;
events {
    worker_connections 2048;
}
http {
    upstream loadbalance {
        server 127.0.0.1:3000;
        server 127.0.0.1:3001;
    }
    server {
        listen 80;
        location / {
              proxy_pass http://loadbalance;
    }
}
```

```
devops@UbuntuServer:-$ curl http://localhost:80
Hello from Semir! From port 3801.devops@UbuntuServer:-$ curl http://localhost:80
Hello from Semir! From port 3001.devops@UbuntuServer:-$ curl http://localhost:80
Hello from Semir! From port 3001.devops@UbuntuServer:-$ curl http://localhost:80
Hello from Semir! From port 3000.devops@UbuntuServer:-$ curl http://localhost:80
Hello from Semir! From port 3001.devops@UbuntuServer:-$
```

● تمرین :6 پیاده سازی Authentication در Nginx با استفاده از htpasswd

```
devops@UbuntuServer:~/nginx$ sudo htpasswd -c ./.htpasswd devops
New password:
Re-type new password:
Adding password for user devops
devops@UbuntuServer:-/nginx$ sudo cat ./.htpasswd
devops:Baprl$C892c24flw$Gvobex80qCituPyPB67l/
devops@UbuntuServer:~/nginx$ man htpasswd
devopsg@UbuntuServer:~/nginx$ sudo htpasswd ./.htpasswd admin1
New password:
Re-type new password:
Adding password for user admin1
devops@UbuntuServer:-/nginx$ cat ./.htpasswd
devopss:$aprl$C89C24lw$Qcvobex80qCituPyPB67l/
admin1:$aprl$RXdasUue$9cXqWvJpFTEL34BEtUUvF.
devops@UbuntuServer:~/nginx$ |
```



بخش امتیازی

• تمرین :1 پیاده سازی کشینگ)Caching (د

```
user devops;
worker_processes auto;
pid /run/nginx.pid;
events {
    worker_connections 2948;
}
http {
    upstream load_balance {
        server 127.0.0.1:3000 weight=1;
        server 127.0.0.1:3001 weight=1;
    }
    server {
        location / 0.1:3001 weight=1;
    }
    server {
        location / server 127.0.0.1:3001 weight=1;
    }
} location / server {
        location / server in server
```

