Mohamed Monir Mohamed Dobea

Task (3)

1-install Docker by script

```
root@DESKTOP-1IPFIN4:~# nano install_docker.sh
root@DESKTOP-1IPFIN4:~# chmod +x install_docker.sh
root@DESKTOP-1IPFIN4:~# ./install_docker.sh
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (20230311ubuntu0.22.04.1).
ca-certificates set to manually installed.
curl is already the newest version (7.81.0-1ubuntu1.16).
curl set to manually installed.
The following additional packages will be installed:
  python3-software-properties
The following NEW packages will be installed:
  apt-transport-https
The following packages will be upgraded:
  python3-software-properties software-properties-common
2 upgraded, 1 newly installed, 0 to remove and 48 not upgraded.
Need to get 44.4 kB of archives.
After this operation, 170 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 apt-transport-https all 2.4.12 [1510 B]
```

```
  GNU nano 6.2                          install_docker.sh
#!/bin/bash

sudo apt-get install -y \
    apt-transport-https \
    ca-certificates \
    curl \
    software-properties-common

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -

sudo apt-key fingerprint 0EBFCD88

sudo add-apt-repository \
    "deb [arch=amd64] https://download.docker.com/linux/ubuntu \
    $(lsb_release -cs) \
    stable"

sudo apt-get update

sudo apt-get install -y docker-ce

sudo docker run hello-world

# Linux post-install
sudo groupadd docker
sudo usermod -aG docker $USER
                                  [ Read 28 lines ]
^G Help        ^O Write Out   ^W Where Is    ^K Cut         ^T Execute     ^C Location    M-U Undo       M-A Set Mark
^X Exit        ^R Read File   ^\ Replace     ^U Paste       ^J Justify     ^/ Go To Line  M-E Redo       M-6 Copy
```

```
Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.
```

2- add website on nginx


```
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available# sudo nano monir
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available# sudo ln -s /etc/nginx/sites-available/monir /etc/nginx/sites-enabled/
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available# sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available# sudo systemctl reload nginx
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available# sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
     Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
     Active: active (running) since Mon 2024-07-01 17:20:45 EEST; 7min ago
       Docs: man:nginx(8)
    Process: 6958 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
    Process: 6959 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
    Process: 8672 ExecReload=/usr/sbin/nginx -g daemon on; master_process on; -s reload (code=exited, status=0/SUCCESS)
   Main PID: 6960 (nginx)
      Tasks: 9 (limit: 4624)
     Memory: 8.4M
     CGroup: /system.slice/nginx.service
             ─6960 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
             ─8673 "nginx: worker process" ...
             ─8674 "nginx: worker process" ...
             ─8675 "nginx: worker process" ...
             ─8676 "nginx: worker process" ...
             ─8677 "nginx: worker process" ...
             ─8678 "nginx: worker process" ...
             ─8679 "nginx: worker process" ...
             ─8680 "nginx: worker process" ...

Jul 01 17:20:45 DESKTOP-1IPFIN4 systemd[1]: Starting A high performance web server and a reverse proxy server...
Jul 01 17:20:45 DESKTOP-1IPFIN4 systemd[1]: Started A high performance web server and a reverse proxy server.
Jul 01 17:27:52 DESKTOP-1IPFIN4 systemd[1]: Reloading A high performance web server and a reverse proxy server...
Jul 01 17:27:52 DESKTOP-1IPFIN4 systemd[1]: Reloaded A high performance web server and a reverse proxy server.
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available#
```
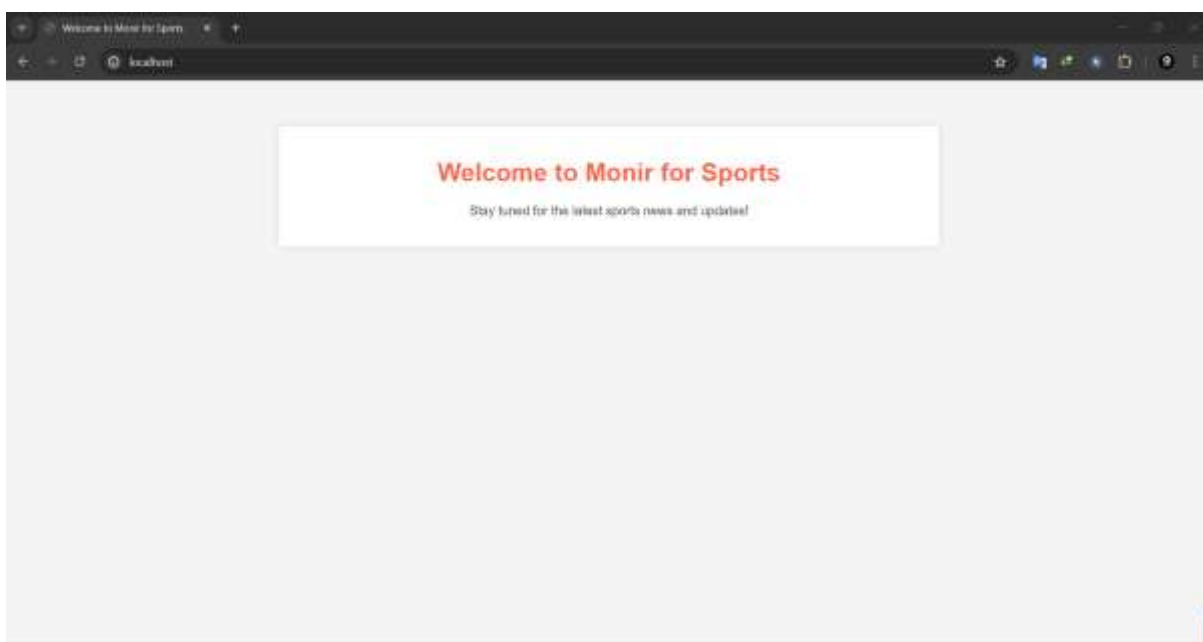


```
  GNU nano 6.2                                              monir *
server {
    listen 80;
    listen [::]:80;

    server_name monir.com www.monir.com;

    root /var/www/monir;
    index index.html index.htm;

    location / {
        try_files $uri $uri/ =404;
    }
}
```


Welcome to Monir for Sports

Stay tuned for the latest sports news and updates!

3- change port to 82


```
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available# cd /etc/nginx/sites-available
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available# sudo nano monir
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available# sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available# sudo systemctl reload nginx
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available# sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
     Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
     Active: active (running) since Mon 2024-07-01 17:20:45 EEST; 17min ago
       Docs: man:nginx(8)
    Process: 6958 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
    Process: 6959 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
    Process: 11128 ExecReload=/usr/sbin/nginx -g daemon on; master_process on; -s reload (code=exited, status=0/SUCCESS)
   Main PID: 6960 (nginx)
      Tasks: 9 (limit: 4624)
     Memory: 8.1M
     CGroup: /system.slice/nginx.service
             ├─ 6960 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
             ├─11129 "nginx: worker process" ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** **
             ├─11130 "nginx: worker process" ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** **
             ├─11131 "nginx: worker process" ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** **
             ├─11132 "nginx: worker process" ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** **
             ├─11133 "nginx: worker process" ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** **
             ├─11134 "nginx: worker process" ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** **
             ├─11135 "nginx: worker process" ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** **
             └─11136 "nginx: worker process" ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** **

Jul 01 17:20:45 DESKTOP-1IPFIN4 systemd[1]: Starting A high performance web server and a reverse proxy server...
Jul 01 17:20:45 DESKTOP-1IPFIN4 systemd[1]: Started A high performance web server and a reverse proxy server.
Jul 01 17:27:52 DESKTOP-1IPFIN4 systemd[1]: Reloading A high performance web server and a reverse proxy server...
Jul 01 17:27:52 DESKTOP-1IPFIN4 systemd[1]: Reloaded A high performance web server and a reverse proxy server.
Jul 01 17:38:11 DESKTOP-1IPFIN4 systemd[1]: Reloading A high performance web server and a reverse proxy server...
Jul 01 17:38:11 DESKTOP-1IPFIN4 systemd[1]: Reloaded A high performance web server and a reverse proxy server.
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available#
```



```
  GNU nano 6.2
server {
    listen 82;
    listen [::]:82;

    server_name monir.com www.monir.com;

    root /var/www/monir;
    index index.html index.htm;

    location / {
        try_files $uri $uri/ =404;
    }
}
```



```
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available# netstat -ntlp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 10.255.255.254:53       0.0.0.0:*               LISTEN      -
tcp        0      0 0.0.0.0:82              0.0.0.0:*               LISTEN      6960/nginx: master
tcp        0      0 127.0.0.53:53           0.0.0.0:*               LISTEN      115/systemd-resolve
tcp6       0      0 :::82                   :::*                    LISTEN      6960/nginx: master
root@DESKTOP-1IPFIN4:/etc/nginx/sites-available#
```