

6. Install LEMP stack (avoid installing mysql) and open info.php on port 80 and print message info.php.

First php-fpm is installed in our system:

Sudo apt install php-fpm

We already have a Linux system and Nginx (Pronounced as EngineX), since we have to avoid installing mysql, we now have a LEMP stack.

Now, a file, info.php is made in directory /var/www/php/ with following content:

Nano /var/www/php/info.php

```
root@batman:/etc/nginx/sites-available# cd /var/www/php/
root@batman:/var/www/php# ls
info.php
root@batman:/var/www/php# cd /var/www/php/
root@batman:/var/www/php# cat info.php
<?php
    phpinfo();
```

And a file php.conf is made in directory /etc/nginx/sites-available/ with following content:

Nano /etc/nginx/sites-available/php.conf

```
root@batman:/etc/nginx/sites-available# cat php.conf
server{
    listen 96;
    server_name localhost;
    root /var/www/php;
    index index.html info.php;

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

    location ~ /\.php$ {
        include snippets/fastcgi-php.conf;
        fastcgi_pass unix:/var/run/php/php7.4-fpm.sock;
    }

    location ~ /\.ht {
        deny all;
    }
}
```

Here port number 96 is used to avoid collision since port 80 is used by the previous task. If we wish to use port 80, we can simply remove the previous conf file or change its port to any port other than 80.

A symlink is created using following command:

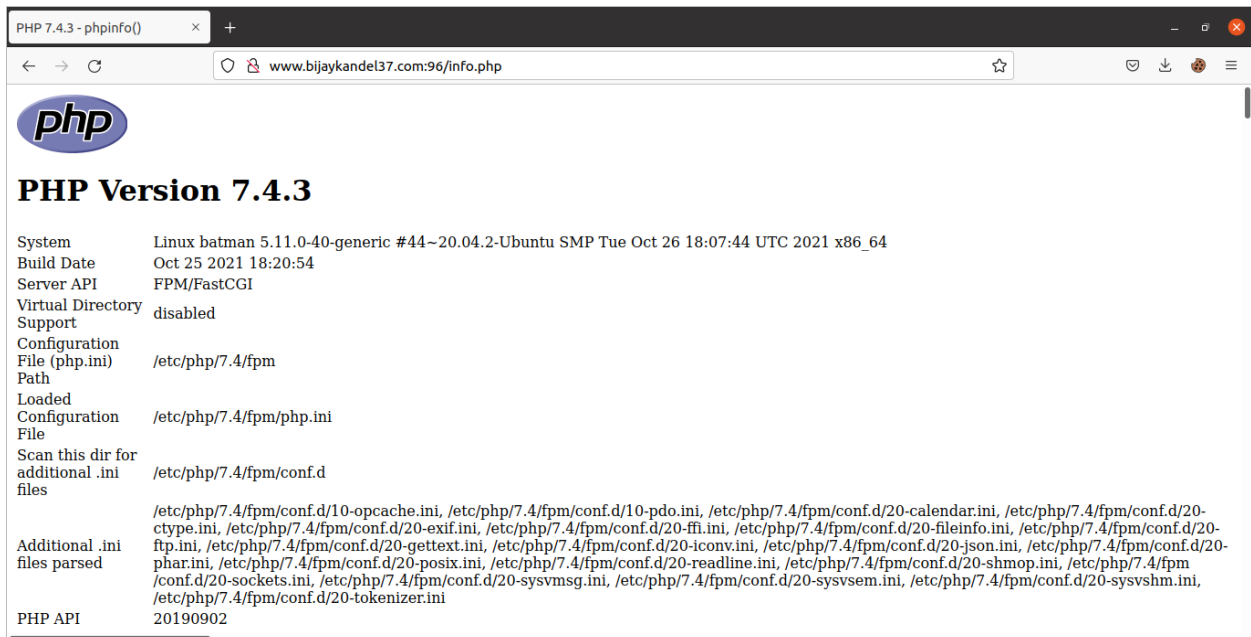
```
Ln -rs /etc/nginx/sites-available/php.conf /etc/nginx/sites-enabled/
```

Now, to test and restart:

```
nginx -t
```

```
Systemctl restart nginx
```

Now when we access the browser with url we can get the result:



The screenshot shows a web browser window with the address bar displaying "www.bijaykandel37.com:96/info.php". The page content includes the PHP logo, the title "PHP Version 7.4.3", and a detailed system information table.

System	Linux batman 5.11.0-40-generic #44~20.04.2-Ubuntu SMP Tue Oct 26 18:07:44 UTC 2021 x86_64
Build Date	Oct 25 2021 18:20:54
Server API	FPM/FastCGI
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.4/fpm
Loaded Configuration File	/etc/php/7.4/fpm/php.ini
Scan this dir for additional .ini files	/etc/php/7.4/fpm/conf.d
Additional .ini files parsed	/etc/php/7.4/fpm/conf.d/10-opcache.ini, /etc/php/7.4/fpm/conf.d/10-pdo.ini, /etc/php/7.4/fpm/conf.d/20-calendar.ini, /etc/php/7.4/fpm/conf.d/20-ctype.ini, /etc/php/7.4/fpm/conf.d/20-exif.ini, /etc/php/7.4/fpm/conf.d/20-ffi.ini, /etc/php/7.4/fpm/conf.d/20-fileinfo.ini, /etc/php/7.4/fpm/conf.d/20-ftp.ini, /etc/php/7.4/fpm/conf.d/20-gettext.ini, /etc/php/7.4/fpm/conf.d/20-iconv.ini, /etc/php/7.4/fpm/conf.d/20-json.ini, /etc/php/7.4/fpm/conf.d/20-phar.ini, /etc/php/7.4/fpm/conf.d/20-posix.ini, /etc/php/7.4/fpm/conf.d/20-readline.ini, /etc/php/7.4/fpm/conf.d/20-shmop.ini, /etc/php/7.4/fpm/conf.d/20-sockets.ini, /etc/php/7.4/fpm/conf.d/20-sysvmsg.ini, /etc/php/7.4/fpm/conf.d/20-sysvsem.ini, /etc/php/7.4/fpm/conf.d/20-sysvshm.ini, /etc/php/7.4/fpm/conf.d/20-tokenizer.ini
PHP API	20190902