SETTING UP INDEX.PHP IN NGINX SERVER

Step 1 – Create user with relevant privileges.

```
mysql> use student
Database changed
mysql> CREATE USER 'udula'@'localhost' IDENTIFIED BY 'udula123';
Query OK, 0 rows affected (0.03 sec)

mysql> GRANT ALL PRIVILEGES ON student.* TO 'udula'@'localhost';
Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)

mysql>
mysql>
```

Step 2 – Create relevant database tables.

Step 3 – Install php in NGINX server and restart the NGINX server. Then check the installed php version.

```
ubuntu@ip-172-31-37-124:/var/www/html$ php -v
PHP 8.1.2-lubuntu2.14 (cl) (built: Aug 18 2023 11:41:11) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.1.2, Copyright (c) Zend Technologies
with Zend OPcache v8.1.2-lubuntu2.14, Copyright (c), by Zend Technologies
ubuntu@ip-172-31-37-124:/var/www/html$

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ubuntu@ip-172-31-37-124:/var/www/html$

ubuntu@ip-172-31-37-124:/var/www/html$

ubuntu@ip-17
```

Step 4 – Edit db server configuration file with relevant details.



Step 5 - Edit index.php with relevant details.

```
∠ ubuntu@ip-172-31-37-124: /vi × + ∨

 GNU nano 6.2
                                                                   index.php
if (mysqli_connect_error()){
die('Connect Error ('. mysqli_connect_errno() .') '
. mysqli_connect_error());
else{
    $sql = "INSERT INTO register (username, password)
values ('$username','$password')";
if ($conn->query($sql)){
echo "New record is inserted sucessfully";
else{
echo "Error: ". $sql ."
". $conn->error;
$conn->close();
else{
echo "Password should not be empty";
die();
else{
echo "Username should not be empty";
                                                           Read 38 lines ]
                   ^O Write Out ^W Where Is
^R Read File ^\ Replace
 ^G Help
^X Exit
                                                                             ^T Execute
^J Justify
                                                                                                ^C Location
^/ Go To Line
```

Step 6 – Check fpm folder whether the php8.1-fpm.sock is available.

```
ubuntu@ip-172-31-37-124:/run$ ls
acpid.pid
              crond.pid
                               irqbalance
                                              mysqld
                                                                                 ufw.lock
              crond.reboot
                               lock
                                              needrestart
agetty.reload cryptsetup
                                                                                 utmp
                                              nginx.pid
              dbus
                                                               sshd.pid
                                                                                 uuidd
              dhclient.lease
                               machine-id
                                              screen
             dhclient.pid
                               motd.dynamic
            dmeventd-client mount
cloud-init
console-setup dmeventd-server multipath
                                                               ubuntu-advantage
                                              shm
              initctl
                               multipathd.pid snapd
ubuntu@ip-172-31-37-124:/run$ cd php/
ubuntu@ip-172-31-37-124:/run/php$ ls
php-fpm.sock php8.1-fpm.pid
```

Step 7 – Install MySQL packages in php.

Step 8 - Enter details to the page.

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Username : udula		
Password:		
Submit		

```
ubuntu@ip-172-31-37-124:/var/www/html$ sudo mysql -u udula -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 21
Server version: 8.0.35-0ubuntu0.22.04.1 (Ubuntu)
Copyright (c) 2000, 2023, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> use student
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
Database changed
mysql> select * from register;
| username | password |
sdf
           | sf
1 row in set (0.00 sec)
mysql> select * from register;
| username | password
sdf
           | sf
 udula
           | udula@123 |
2 rows in set (0.00 sec)
```