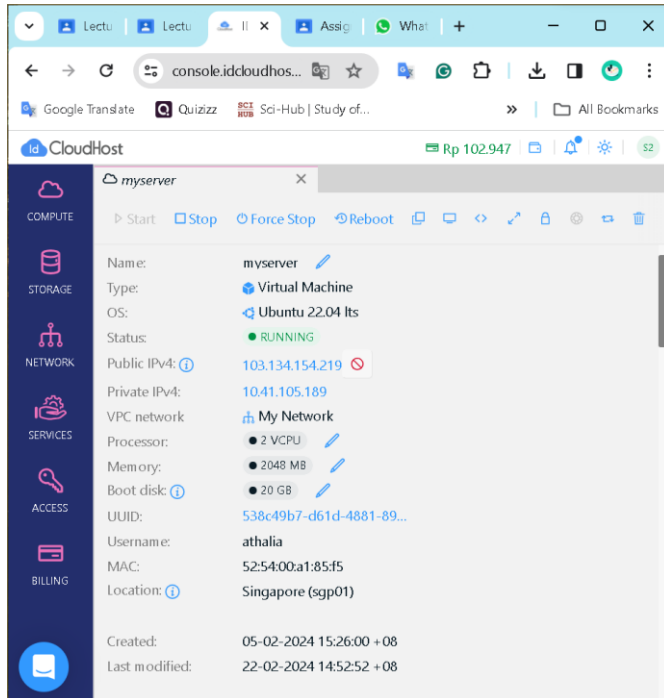


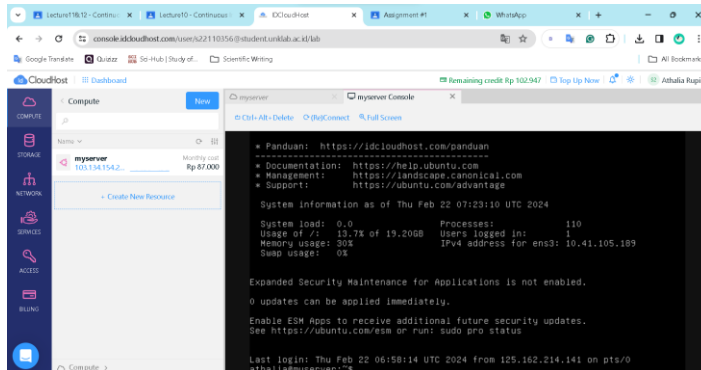
DEVOPS REPORT 1

Name : Athalia Rupilu

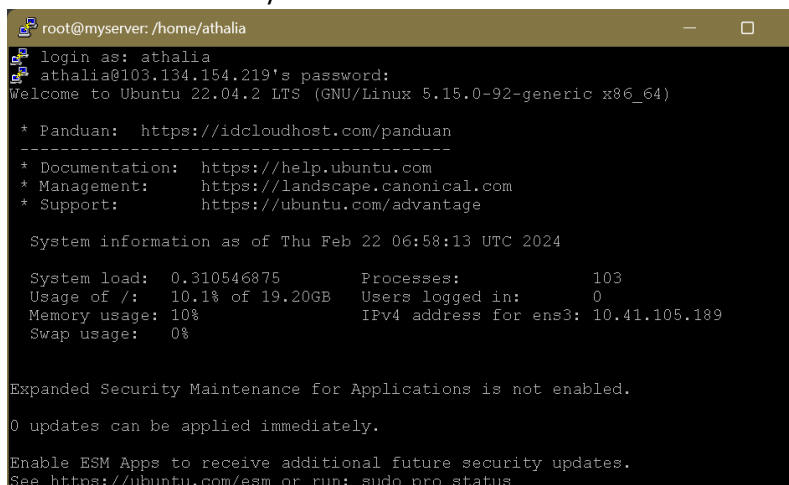
- CLOUD VPS



- Access VPS via Virtual Console



- Access VPS via Putty



- Access VPS via CMD

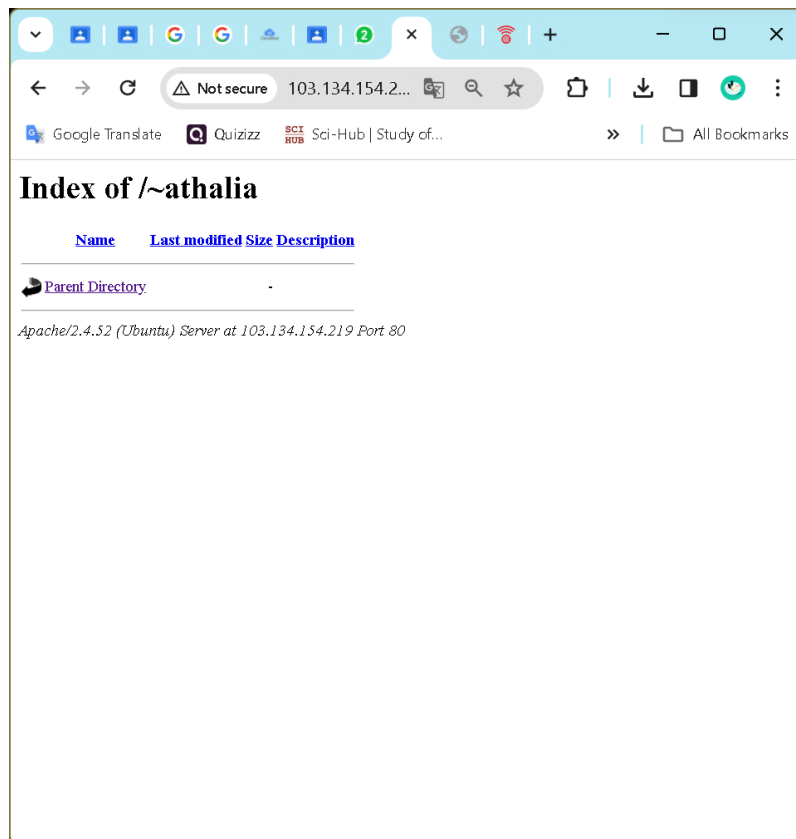
```
athalia@myserver: ~  
Are you sure you want to continue connecting (yes/no/[fingerprint])? y  
Please type 'yes', 'no' or the fingerprint: yes  
Warning: Permanently added '103.134.154.219' (ED25519) to the list of known hosts.  
athalia@103.134.154.219's password:  
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.15.0-92-generic x86_64)  
  
* Panduan: https://idcloudhost.com/panduan  
-----  
* Documentation: https://help.ubuntu.com  
* Management: https://landscape.canonical.com  
* Support: https://ubuntu.com/advantage  
  
System information as of Thu Feb 22 07:26:26 UTC 2024  
  
System load: 0.0                      Processes: 112  
Usage of /: 13.7% of 19.20GB          Users logged in: 1  
Memory usage: 31%                    IPv4 address for ens3: 10.41.105.189  
Swap usage: 0%  
  
Expanded Security Maintenance for Applications is not enabled.  
  
0 updates can be applied immediately.  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
Last login: Thu Feb 22 07:23:11 2024  
athalia@myserver:~$
```

- Install apache2 using Putty

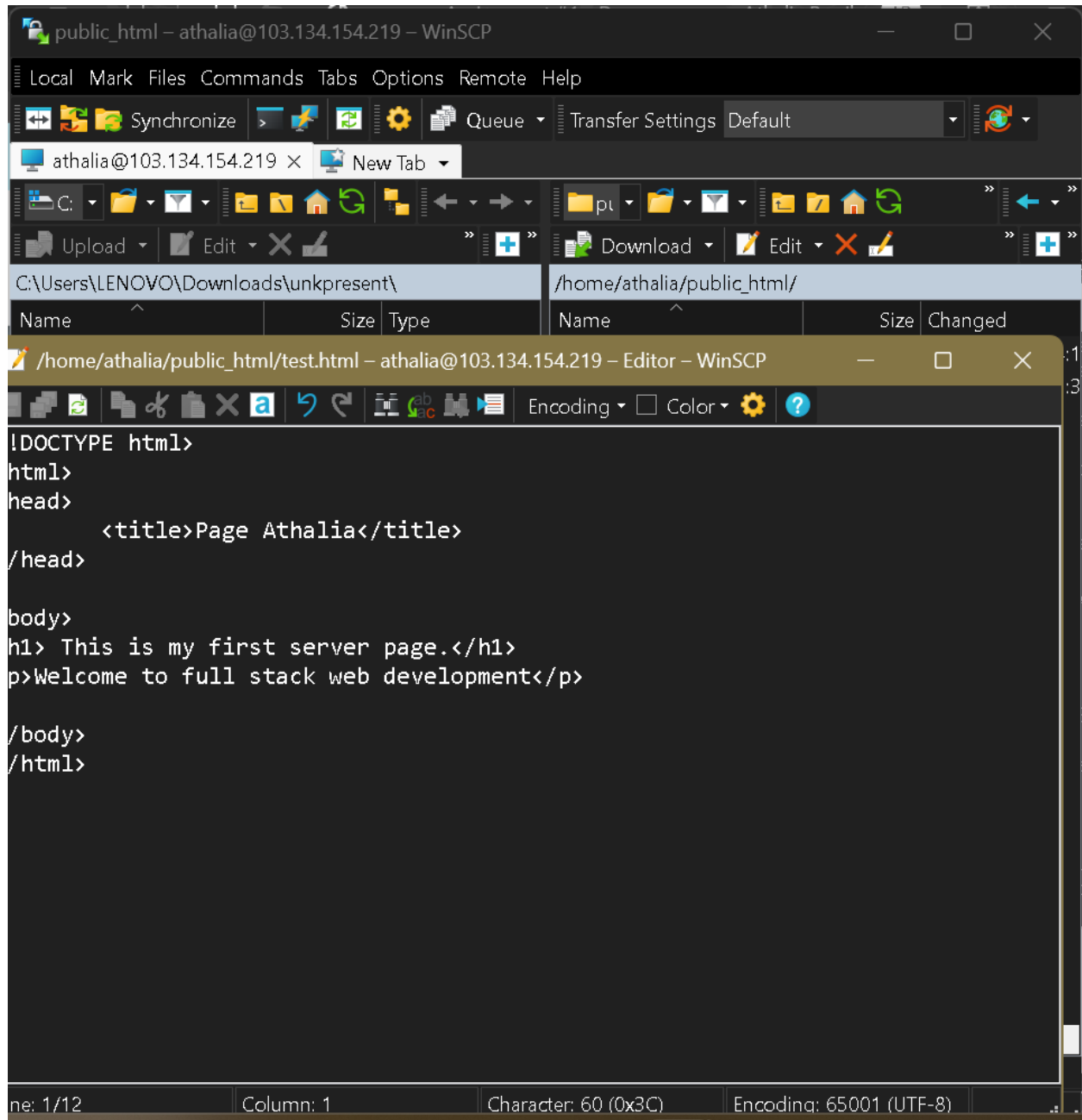
```
root@myserver: /home/athalia  
login as: athalia  
athalia@103.134.154.219's password:  
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.15.0-92-generic x86_64)  
  
* Panduan: https://idcloudhost.com/panduan  
-----  
* Documentation: https://help.ubuntu.com  
* Management: https://landscape.canonical.com  
* Support: https://ubuntu.com/advantage  
  
System information as of Thu Feb 22 06:58:13 UTC 2024  
  
System load: 0.310546875              Processes: 103  
Usage of /: 10.1% of 19.20GB          Users logged in: 0  
Memory usage: 10%                    IPv4 address for ens3: 10.41.105.189  
Swap usage: 0%  
  
Expanded Security Maintenance for Applications is not enabled.  
  
0 updates can be applied immediately.  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status
```



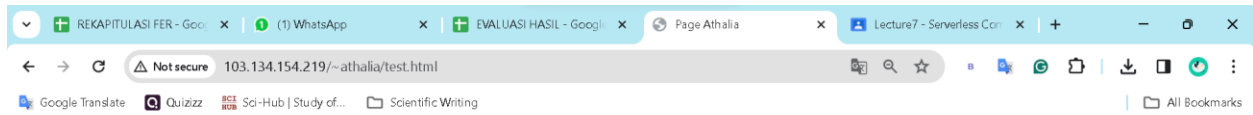
- Testing public_html in User Directory



- Create HTML file in "public_html"



- Access file html via browser



This is my first server page.

Welcome to full stack web development

- Install MySQL in ubuntu server

```
root@myserver: /home/athalia
* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
just raised the bar for easy, resilient and secure K8s cluster deployment.

https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

64 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

*** System restart required ***
Last login: Thu Feb 22 10:50:47 2024 from 182.1.136.8
athalia@myserver:~$ sudo su
root@myserver:/home/athalia# sudo apt install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
mysql-server is already the newest version (8.0.36-0ubuntu0.22.04.1).
0 upgraded, 0 newly installed, 0 to remove and 64 not upgraded.
root@myserver:/home/athalia#
```

REKAPITULASI FER x (2) WhatsApp x EVALUASI HASIL x 404 Not Found x Lecture7 - Serverle x PHP 7.4.33 - phpinfo x

Not secure 103.134.154.219/test.php

Google Translate Quizizz Sci-Hub | Study of... Scientific Writing All Bookmarks

PHP Version 7.4.33

System	Linux myservr 5.15.0-92-generic #102-Ubuntu SMP Wed Jan 10 09:33:48 UTC 2024 x86_64
Build Date	Sep 2 2023 08:03:46
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.4/apache2
Loaded Configuration File	/etc/php/7.4/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/7.4/apache2/conf.d
Additional .ini files parsed	/etc/php/7.4/apache2/conf.d/10-opcache.ini, /etc/php/7.4/apache2/conf.d/10-pdo.ini, /etc/php/7.4/apache2/conf.d/20-calendar.ini, /etc/php/7.4/apache2/conf.d/20-type.ini, /etc/php/7.4/apache2/conf.d/20-xml.ini, /etc/php/7.4/apache2/conf.d/20-mysql.ini, /etc/php/7.4/apache2/conf.d/20-ldap.ini, /etc/php/7.4/apache2/conf.d/20-ftp.ini, /etc/php/7.4/apache2/conf.d/20-gd.ini, /etc/php/7.4/apache2/conf.d/20-iconv.ini, /etc/php/7.4/apache2/conf.d/20-sockets.ini, /etc/php/7.4/apache2/conf.d/20-sysmsg.ini, /etc/php/7.4/apache2/conf.d/20-syssem.ini, /etc/php/7.4/apache2/conf.d/20-sysshm.ini, /etc/php/7.4/apache2/conf.d/20-tokenizer.ini
PHP API	20190902
PHP Extension	20190902
Zend Extension	320190902
Zend Extension Build	API320190902.NTS
PHP Extension Build	API20190902.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTrace Support	available, disabled
Registered PHP Streams	https, ftps, compress, zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, tls, ssh, sftp, ftps, scp, ftp

- Mengaktifkan file .htaccess di Apache2 pada Ubuntu Server

unkpresent - athalia@103.134.154.219 - WinSCP

Local Mark Files Commands Tabs Options Remote Help

Synchronize Queue Transfer Settings Default

athalia@103.134.154.219 x New Tab

Upload Edit Download Edit

Name	Size	Type
..		Parent directory
unkpresent		File folder

Name	Size	Changed
..		2/26/2024 3:30:3
test.php	1 KB	2/26/2024 3:55:3

/var/www/html/unkpresent/test.php - athalia@103.134.154.219 - Editor - WinSCP

```
<?php
phpinfo();
?>
```

0 B of 0 Queue Operati

PHP Version 7.4.33	
System	Linux myserver 5.15.0-92-generic #102-Ubuntu SMP Wed Jan 10 09:33:48 UTC 2024 x86_64
Build Date	Sep 2 2023 08:03:46
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.4/apache2
Loaded Configuration File	/etc/php/7.4/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/7.4/apache2/conf.d
Additional .ini files parsed	/etc/php/7.4/apache2/conf.d/10-apcache.ini, /etc/php/7.4/apache2/conf.d/10-pdo.ini, /etc/php/7.4/apache2/conf.d/20-calendar.ini, /etc/php/7.4/apache2/conf.d/20-ctype.ini, /etc/php/7.4/apache2/conf.d/20-exif.ini, /etc/php/7.4/apache2/conf.d/20-fn.ini, /etc/php/7.4/apache2/conf.d/20-fileinfo.ini, /etc/php/7.4/apache2/conf.d/20-ftp.ini, /etc/php/7.4/apache2/conf.d/20-gettext.ini, /etc/php/7.4/apache2/conf.d/20-iconv.ini, /etc/php/7.4/apache2/conf.d/20-json.ini, /etc/php/7.4/apache2/conf.d/20-ldap.ini, /etc/php/7.4/apache2/conf.d/20-mbstring.ini, /etc/php/7.4/apache2/conf.d/20-mcrypt.ini, /etc/php/7.4/apache2/conf.d/20-openssl.ini, /etc/php/7.4/apache2/conf.d/20-readline.ini, /etc/php/7.4/apache2/conf.d/20-sockets.ini, /etc/php/7.4/apache2/conf.d/20-sysvshm.ini, /etc/php/7.4/apache2/conf.d/20-sysvsem.ini, /etc/php/7.4/apache2/conf.d/20-tokenizer.ini
PHP API	20190902
PHP Extension	20190902
Zend Extension	320190902
Zend Extension Build	API320190902.NTS
PHP Extension Build	API00190902.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTrace Support	available, disabled
Registered PHP Streams	https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar

Mengaktifkan file .htaccess di Apache2 pada Ubuntu Server

```

root@myserver: /home/athalia
GNU nano 6.2 /etc/apache2/sites-available/000-default.conf
ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

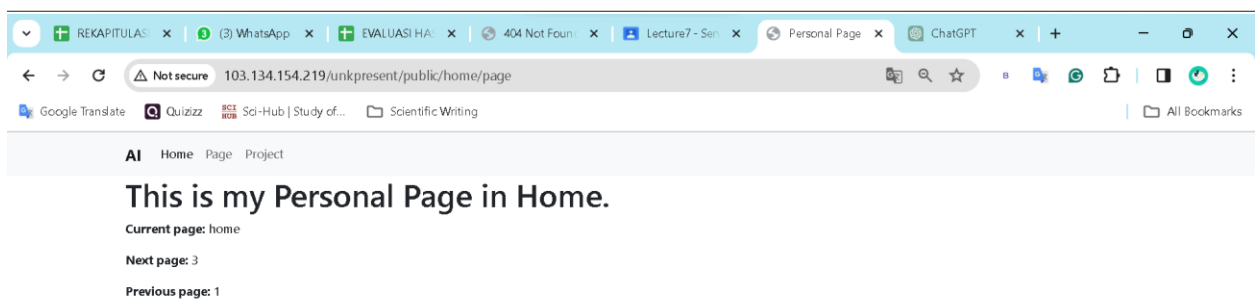
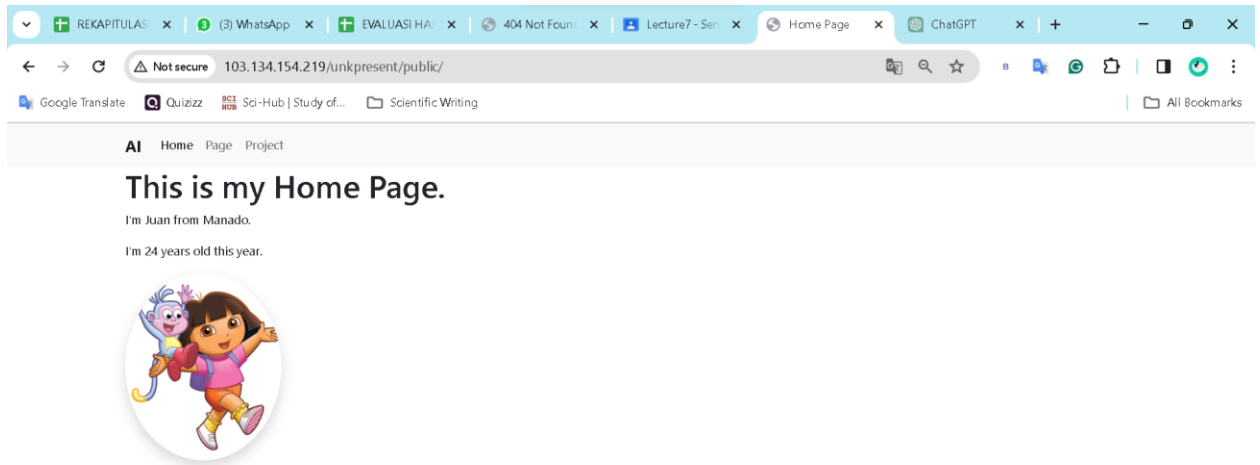
# For most configuration files from conf-available/, which are
# enabled or disabled at a global level, it is possible to
# include a line for only one particular virtual host. For example the
# following line enables the CGI configuration for this host only
# after it has been globally disabled with "a2disconf".
#Include conf-available/serve-cgi-bin.conf
</VirtualHost>

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
<Directory "/var/www/html">
    AllowOverride All
</Directory>

<Directory "/home/athalia/public_html">
    AllowOverride All
</Directory>

```

- (25%) Mampu lakukan remote server jarak jauh dan melakukan edit pada source code PHP menggunakan salah satu text editor.



-
- 30%) Mampu membuat sebuah database , sebuah table dan insert data ke dalam table melalui CMD atau Putty?


```
athalia@myserver: ~  
| Tables_in_db_unklab |  
+-----+  
| Student |  
| student |  
| tbl_students |  
+-----+  
3 rows in set (0.00 sec)  
  
mysql> INSERT INTO Student (Stud_ID, Name, Email, City)  
-> VALUES (1,'Stephen','stephen@javatpoint.com','Texas'),  
-> (2,'Joseph','Joseph@javatpoint.com','Alaska');  
Query OK, 2 rows affected (0.40 sec)  
Records: 2 Duplicates: 0 Warnings: 0  
  
mysql> SELECT * FROM Student;  
+-----+-----+-----+-----+  
| Stud_ID | Name | Email | City |  
+-----+-----+-----+-----+  
| 1 | Stephen | stephen@javatpoint.com | Texas |  
| 2 | Joseph | Joseph@javatpoint.com | Alaska |  
+-----+-----+-----+-----+  
2 rows in set (0.00 sec)  
  
mysql> █
```