in vim use ? word

to find the word you want

in elinks

q to quit

in mysql

* see databases
  + show databases;
* load database
  + use cs183
* see table
  + show tables;
* see data in tables
  + select \* from grades print;

procedure:

1. install Apache Web Server
   1. yum install httpd
2. change ServerAdmin to ktsai017 in /etc/httpd/conf/httpd.conf
   1. ServerAdmin [ktsai017@ucr.edu](mailto:ktsai017@ucr.edu)
3. start the httpd service
   1. systemctl start httpd.service
   2. to stop the service
      1. systemctl stop httpd.service
4. create index.html file
   1. cd /var/www/html
   2. vi index.html
5. type some simple thing inside index.html
6. install elinks for text browser
   1. yum install elinks
7. check if apache server work
   1. switch to guest user ktsai017
      1. su ktsai017
   2. run elinks and point to itself
      1. elink <http://127.0.0.1>
   3. should see the text we type in index.html
8. create symbolic link in /var/www/html to /etc/passwd
   1. cd /var/www/html
   2. ln -s /etc/passwd spasswd
9. now we can see the passwd file in guest server using <http://127.0.0.1/spasswd>. This can create security issue
10. remove symlink in the config file
    1. vi /etc/httpd/conf/httpd.conf
    2. under the section titled: <Directory "/var/www/html">
    3. remove FollowSymLinks
       1. Options Indexes
11. check if <http://127.0.0.1/spasswd> fail
12. enable httpd at startup
    1. systemctl enable httpd
13. install php
    1. yum install php php-mysql
14. create php file
    1. vi /var/www/htmlindex.php
15. run in guest machine to see if can open php index.php
16. install MySQL
    1. wget <http://repo.mysql.com/mysql-community-release-el7-5.noarch.rpm>
    2. rpm -ivh mysql-community-release-el7-5.noarch.rpm
    3. yum update
    4. reboot
17. start mysql
    1. systemctl start mysqlservice
18. run SQL installation
    1. mysql\_secure\_installation
       1. yess for everything
19. create a mysql.txt that contain data
20. change privilage for SQL for inputing data
    1. vi /etc/my.cnf
    2. Add **skip-grant-tables** under section **[mysqld]**
21. load mysql.txt file
    1. mysql < mysql.txt
22. create a gradebook.php script to run and retreive data in /var/www/html
23. change the permission of gradebook.php
    1. chmod 777 gradebook.php
24. change root password privileges setting on MySQL
    1. mysql -u root -p
    2. systemctl stop mysqld
    3. mysql> FLUSH PRIVILEGES;
    4. mysql> SET PASSWORD FOR 'root'@'localhost' = PASSWORD('yourpassword');
    5. systemctl start mysql
25. add **skip-grant-tables** in /etc/my.cnf under mysqld section
26. view php file on guest
    1. su ktsai017
    2. elinks <http://127.0.0.1/gradebook.php>