

This is simple to-do app created by Brook Daba (www.brookdaba.com). The app has a text box to input new tasks and two buttons (add new task and clear). When a task is complete just click/tap them and a line will strike through the text. A second click/tap will undo the line strike through. It works on a LAMP stack (HTML, CSS, and Angularjs for front-end and PHP and MySQL for back-end/database). The app can run on CentOS-7 with root privilege. Use the following steps.

Step 1

First install apache on the virtual server if it's not installed already. Use these commands to create a new directory as well as set up permissions. Example.com can be any domain configured on virtual server or local host.

```
sudo yum install httpd
```

```
sudo mkdir -p /var/user/example.com/todo_app
```

```
sudo chown -R apache:apache /var/user/example.com/todo_app
```

```
sudo chmod 755 /var/user
```

Step 2

Next download and install MySQL on the virtual server

```
wget https://dev.mysql.com/get/mysql57-community-release-el7-9.noarch.rpm
```

```
sudo rpm -ivh mysql57-community-release-el7-9.noarch.rpm
```

```
sudo yum install mysql-server
```

Start the daemon next and check status to make sure MySQL is installed successfully.

```
sudo systemctl start mysqld
```

```
sudo systemctl status mysqld
```

Grab the temporary password from the log files and configure MySQL

```
sudo grep 'temporary password' /var/log/mysqld.log
```

```
2018-08-01T00:22:31.316387Z 1 [Note] A temporary password is generated  
for root@localhost: mqRfBU_3Xk>r
```

Run the security script to set up a new password and verify the installation

```
sudo mysql_secure_installation
```

```
mysqladmin -u root -p version
```

Step 3

Setup the config.php file and turn on virtual host. Example.com can be replaced with localhost.

```
sudo vi /etc/httpd/conf/httpd.conf
```

```
<VirtualHost *:80>
```

```
ServerAdmin webmaster@example.com

DocumentRoot /var/www/example.com/todo_app

ServerName www.example.com

ServerAlias example.com

</VirtualHost>
```

Set up the table in the database using the todo.sql file and restart apache

```
sudo apachectl -k stop

sudo /etc/init.d/httpd start
```