```
111501015@iitpkdd122:~$ mysql -u Zhang -pZhang
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 13
Server version: 10.2.12-MariaDB-10.2.12+maria~xenial mariadb.org binary distribution
Copyright (c) 2000, 2017, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
MariaDB [(none)]> SET ROLE Student;
Query OK, 0 rows affected (0.00 sec)
MariaDB [(none)]> use University
Database changed
MariaDB [University]> call DETAILS();
| 00128 | Zhang | Comp. Sci. | 7
1 row in set (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
MariaDB [University]> call PEER_STUDENT();
l name
  Zhang
  Shankar
  Levy
Williams
  Brown
 Bourikas
6 rows in set (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
MariaDB [University]>
```

```
MariaDB [University]> select * from info;
| ID
      name
                | dept_name | tot_cred |
 00128 | Zhang
                    Comp. Sci.
 NULL
         Shankar
                    NULL
                                 NULL
                    NULL
                                 NULL
 NULL
         Levy
         Williams |
                    NULL
 NULL
                                 NULL
 NULL
         Brown
                    NULL
                                 NULL
       | Bourikas | NULL
                                 NULL
 NULL
6 rows in set (0.00 sec)
```

```
CREATE FUNCTION get_username() RETURNS VARCHAR(20) RETURN SUBSTRING_INDEX(USER(), '@', 1);
CREATE OR REPLACE VIEW my_details AS SELECT * FROM student WHERE name=get_username();
CREATE OR REPLACE VIEW students AS SELECT DISTINCT S.name FROM student AS S,
                                     takes as T
                                    WHERE T.ID=S.ID and S.name = get_username())
                                     and T.ID = S.ID:
CREATE ROLE Student;
DELIMITER //
CREATE OR REPLACE TRIGGER new_user
AFTER INSERT ON student
FOR EACH ROW
        CALL create_user(new.`name`, new.`name`);
END //
CREATE OR REPLACE PROCEDURE create_user( IN username VARCHAR(20),
                              IN 'password' VARCHAR(20))
DECLARE stmt VARCHAR(100);
prepare stmt FROM CONCAT('CREATE OR REPLACE USER ''', username, '''@''%'' IDENTIFIED BY ''', `password`, '''');
execute stmt;
prepare stmt FROM CONCAT('GRANT Student TO ', username);
execute stmt;
END //
CREATE OR REPLACE PROCEDURE INITUSERS()
DECLARE n INT DEFAULT 0;
DECLARE i INT DEFAULT 0:
DECLARE username VARCHAR(20);
SELECT COUNT(*) FROM student INTO n;
SET i=0;
WHILE i<n DO
 SET username = (SELECT name FROM student LIMIT i,1);
  CALL create_user(username, username);
 SET i = i + 1;
END WHILE;
End //
CREATE OR REPLACE PROCEDURE DETAILS()
BEGIN
        SELECT * FROM my_details;
END //
1:--- lab6.sql Top L51 (SQL[MySQL])
```

```
CREATE OR REPLACE PROCEDURE PEER_STUDENT()
BEGIN
SELECT DISTINCT * FROM students;
END //

DELIMITER;
CREATE DN REPLACE VIEW info AS select D.ID, S.name, D.dept_name, D.tot_cred from my_details AS D RIGHT JOIN students AS S ON D.name=S.name;
CREANT EXECUTE ON PROCEDURE University.DETAILS TO Student;
CREANT SELECT ON University.students TO Student;
CREANT SELECT ON University.TO TO Student;
CREANT SELECT ON University.PEER_STUDENT TO Student;
CREANT SELECT ON University.TO TO Student;
CREANT SELECT ON University.TO TO Student;
CREATE DN PROCEDURE University.PEER_STUDENT TO Student;
CREATE DN PROCEDURE University.PEER_STUDENT TO Student;
CREATE DN PROCEDURE University.PEER_STUDENT TO Student;
```

### 2)

# yum update yum install httpd

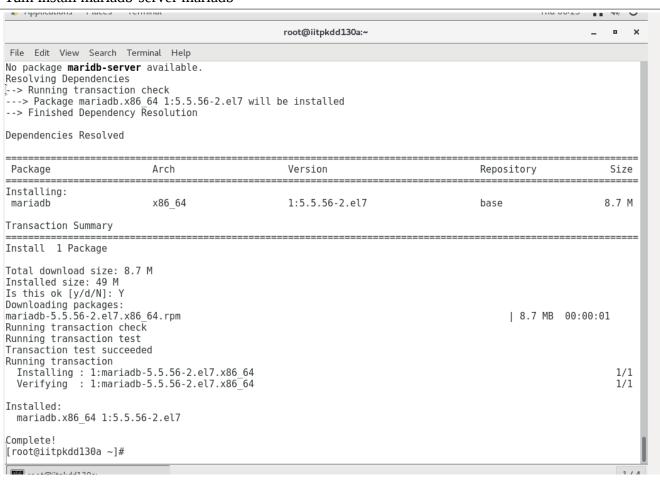
```
root@iitpkdd130a:~
File Edit View Search Terminal Help
 httpd-tools
                           x86 64
                                                 2.4.6-67.el7.centos.6
                                                                                                               88 k
                                                                                       updates
 mailcap
                            noarch
                                                 2.1.41-2.el7
                                                                                       base
                                                                                                               31 k
Transaction Summary
Install 1 Package (+2 Dependent packages)
Total download size: 2.8 M
Installed size: 9.6 M
Is this ok [y/d/N]: y
Downloading packages:
(1/3): httpd-2.4.6-67.el7.centos.6.x86_64.rpm (2/3): mailcap-2.1.41-2.el7.noarch.rpm
                                                                                            I 2.7 MB 00:00:00
                                                                                               31 kB 00:00:00
(3/3): httpd-tools-2.4.6-67.el7.centos.6.x86 64.rpm
                                                                                            88 kB 00:00:01
Total
                                                                                  1.2 MB/s | 2.8 MB 00:00:02
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing: httpd-tools-2.4.6-67.el7.centos.6.x86_64
                                                                                                                1/3
Installing: mailcap-2.1.41-2.el7.noarch
                                                                                                                2/3
  Installing : httpd-2.4.6-67.el7.centos.6.x86_64
                                                                                                                3/3
  Verifying : mailcap-2.1.41-2.el7.noarch
                                                                                                                1/3
  Verifying: httpd-2.4.6-67.el7.centos.6.x86 64
                                                                                                                2/3
                                                                                                                3/3
  Verifying: httpd-tools-2.4.6-67.el7.centos.6.x86 64
Installed:
 httpd.x86 64 0:2.4.6-67.el7.centos.6
Dependency Installed:
  httpd-tools.x86_64 0:2.4.6-67.el7.centos.6
                                                                mailcap.noarch 0:2.1.41-2.el7
Complete!
[root@iitpkdd130a ~]# □
```

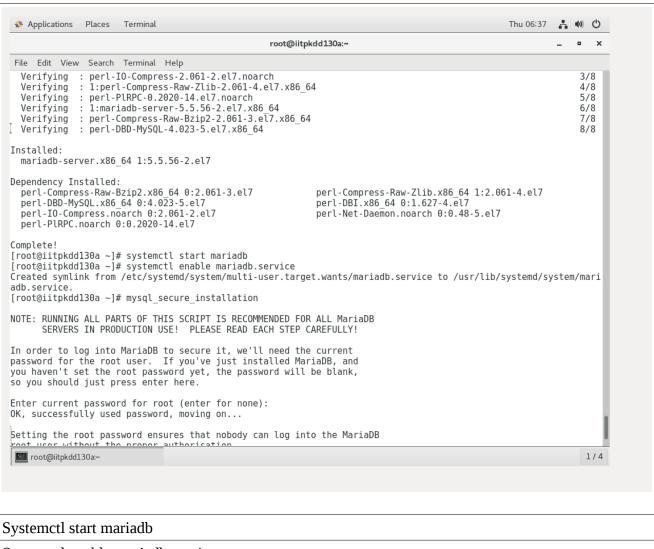
#### sudo service httpd start

Redirecting to /bin/systemctl start http.service
Failed to start http.service: Unit not found.
[root@iitpkdd130a ~]# service httpd start
Redirecting to /bin/systemctl start httpd.service
[root@iitpkdd130a ~]# [

### Yum install mariadb-server mariadb

root@iitpkdd130a:~



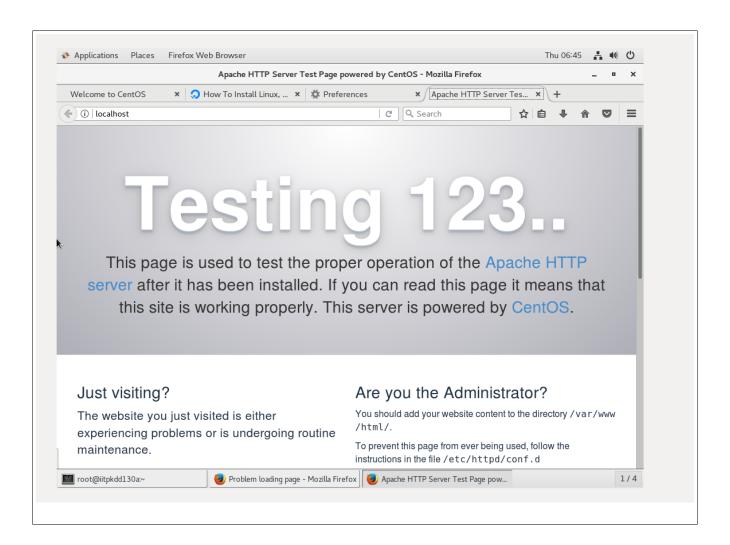


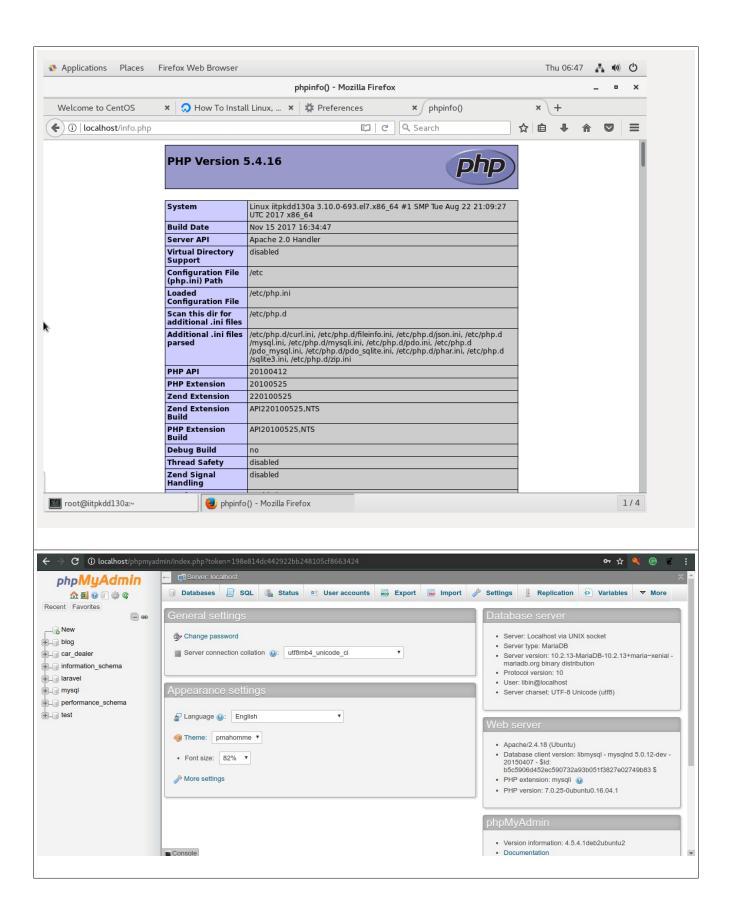
Systemctl enable mariadb.service

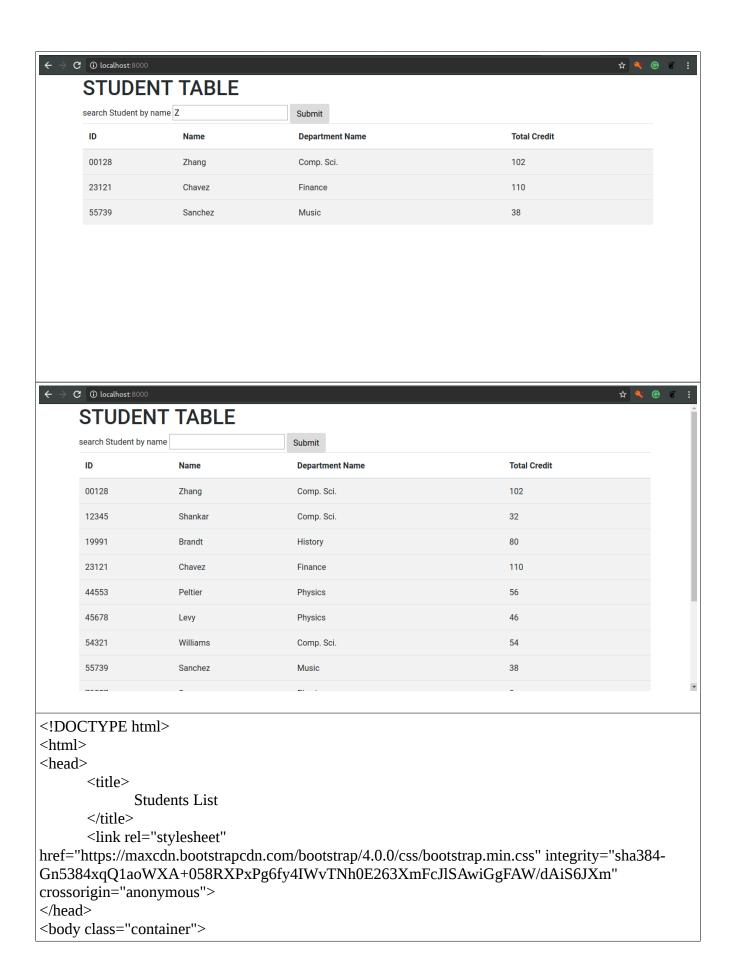
```
Thu 06:27 🚜 🐠 💍
                                                                              root@iitpkdd130a:~
                                                                                                                                                                         File Edit View Search Terminal Help
 Downloading packages:
 (1/6): libzip-0.10.1-8.el7.x86 64.rpm
                                                                                                                                                  48 kB 00:00:00
 (2/6): php-5.4.16-43.el7_4.x86_64.rpm
(3/6): php-mysql-5.4.16-43.el7_4.x86_64.rpm
                                                                                                                                                1.4 MB
                                                                                                                                                            00:00:00
                                                                                                                                                101 kB
                                                                                                                                                            00:00:00
 (4/6): php-common-5.4.16-43.el7_4.x86_64.rpm
                                                                                                                                                565 kB
                                                                                                                                                            00:00:00
 (5/6): php-pdo-5.4.16-43.el7_4.x86_64.rpm
(6/6): php-cli-5.4.16-43.el7_4.x86_64.rpm
                                                                                                                                                            00:00:00
                                                                                                                                                 98 kB
                                                                                                                                                2.7 MB 00:00:03
 Total
                                                                                                                              1.5 MB/s | 4.9 MB 00:00:03
 Running transaction check
 Running transaction test
Transaction test succeeded
Transaction test succeeded
Running transaction
Installing: libzip-0.10.1-8.el7.x86_64
Installing: php-common-5.4.16-43.el7_4.x86_64
Installing: php-cli-5.4.16-43.el7_4.x86_64
Installing: php-pdo-5.4.16-43.el7_4.x86_64
Installing: php-mysql-5.4.16-43.el7_4.x86_64
Installing: php-5.4.16-43.el7_4.x86_64
Verifying: php-cli-5.4.16-43.el7_4.x86_64

Letting verifying: php-5.4.16-43.el7_4.x86_64
Verifying: php-5.4.16-43.el7_4.x86_64
Verifying: php-5.4.16-43.el7_4.x86_64
Verifying: libzip-0.10.1-8.el7.x86_64
                                                                                                                                                                           1/6
                                                                                                                                                                           2/6
                                                                                                                                                                           3/6
                                                                                                                                                                           4/6
                                                                                                                                                                           5/6
                                                                                                                                                                           6/6
                                                                                                                                                                           1/6
                                                                                                                                                                           2/6
                                                                                                                                                                           3/6
    Verifying : libzip-0.10.1-8.el7.x86_{\overline{6}4}
                                                                                                                                                                           4/6
                    : php-pdo-5.4.16-43.el7_4.x86_64
    Verifying
                                                                                                                                                                           5/6
    Verifying : php-mysql-5.4.16-43.e\(\bar{1}\)7_4.x\(\bar{8}\)6_64
                                                                                                                                                                           6/6
 Installed:
    php.x86_64 0:5.4.16-43.el7_4
                                                                                      php-mysql.x86_64 0:5.4.16-43.el7_4
 Dependency Installed:
    libzip.x86_64 0:0.10.1-8.el7
                                                            php-cli.x86_64 0:5.4.16-43.el7_4 php-common.x86_64 0:5.4.16-43.el7_4
    php-pdo.x86_64 0:5.4.16-43.el7_4
 [root@iitpkdd130a ~]# [
```

# Systemctl restart httpd.service







```
<h1>STUDENT TABLE</h1>
      <form method="post">
            <label> search Student by name</label>
            <input type="name" name="name" class=".form-control ">
            <button type="submit" class="btn btn-default">Submit</button>
      </form>
      <thead>
                  ID
                  >
                        Name
                  Department Name
                  Total Credit
                  </thead>
            <?php
                        $conn = new mysqli('localhost', 'libin', 'password', 'University');
                        if ($conn->connect_error) {
                        die("Connection failed: " . $conn->connect_error);
                        if ($_SERVER['REQUEST_METHOD'] === 'POST') {
                              $nam = $_POST['name'];
                              $datastmt = "SELECT * FROM student WHERE name LIKE
'%" . $nam . "%';";
                        }
                        else
                              $datastmt = "SELECT * FROM student;";
                        $result = $conn->query($datastmt);
                              if ($result->num_rows > 0) {
                       // output data of each row
                        while($row = $result->fetch_assoc()) {
                        echo " " . $row["ID"]. "" . $row["name"].
"" . $row["dept_name"]."" . $row["tot_cred"]. "";
                              } else {
                                echo "0 results";
```

