**sudo yum update -y**

**sudo amazon-linux-extras install -y lamp-mariadb10.2-php7.2 php7.2**

**cat /etc/system-release**

**sudo yum install -y httpd mariadb-server**

**yum info package\_name**

**sudo yum install httpd24**

**sudo yum install -y php56**

sudo yum install -y mysql55-server

sudo yum install -y php56-mysqlnd php56-gd

or

**sudo yum install -y httpd24 php72 mysql157-server php72-mysqlnd**

**sudo service start httpd**

**sudo chkconfig httpd on**

**chkconfig –list httpd**

configure security group

Enter public DNS into browser

**sudo usermod -a -G apache ec2-user**

**Exit** and login

**groups**

**sudo chown -R ec2-user:apache /var/www**

**sudo chmod 2775 /var/www && find /var/www -type d -exec sudo chmod 2775 {} \;**

**find /var/www -type f -exec sudo chmod 0664 {} \;**

**echo "<?php phpinfo(); ?>" > /var/www/html/phpinfo.php**

Now in a web browser type following using your public dns:

http://my.public.dns.amazonaws.com/phpinfo.php

**rm /var/www/html/phpinfo.php**

**sudo service mysqld start** Start the MySQL server

**sudo systemctl start mariadb**

**sudo mysql\_secure\_installation** Start the MySQL server

1. password , press enter

b. Type Y to set a password and type a secure password twice password niraj

c. Type Y to remove the anonymous user accounts.

d. Type Y to disable the remote root login.

e. Type Y to remove the test database.

f. Type Y to reload the privilege tables and save your changes

**open FileZilla**

**transfer files to /home/ec2-user**

At puTTY:

sudo su –

cd /var/www/html

cp /home/ec2-user/database.txt .

cp /home/ec2-user/demo1.html .

cp /home/ec2-user/demo2.html .

cp /home/ec2-user/demo3.html .

cp /home/ec2-user/dumpContacts.php .

cp /home/ec2-user/queryContacts.php .

cp /home/ec2-user/queryContacts.php.bak .

cp /home/ec2-user/sayHello.php .

cp /home/ec2-user/test.php .

chmod 644 \*.html \*.php

ls -l

Demo 1: Ajax with PHP

In the browser, go to http://EC2INSTANCE/test.php

In the browser, go to http://EC2INSTANCE/demo1.html

Demo 2: PHP and MySQL

Create data base from terminal

**mysql -u root -p** as root user

password: enter

**create database test;**

**show databases;** shows created databases

**use test;**

CREATE TABLE contacts (id int(6) NOT NULL auto\_increment,

first varchar(15) NOT NULL,

last varchar(15) NOT NULL,

phone varchar(20) NOT NULL,

email varchar(30) NOT NULL,

web varchar(30) NOT NULL,

PRIMARY KEY (id),UNIQUE id (id));

**DESCRIBE contacts;**

INSERT INTO contacts (first,last,phone,email,web)

values ('John','Smith','(123) 456-7890','john@foo.com','http://john.foo.com/'),

('Jane','Gray','(321) 222-3333','jane@bar.com','http://www.bar.com/~jane/'),

('Joe','Johnson','(314) 159-2653','jjohnson@baz.com','http://jjohnson.baz.com/'),

('Mary','Little','(271) 828-1828','little@lamb.org','http://www.lamb.org/mary/');

**SELECT \* FROM contacts;**

go to http://EC2INSTANCE/demo2.html

Demo 3: Ajax with PHP/MySQL

go to http://EC2INSTANCE/demo3.html,

**Clean Up**

$ ec2-describe-instances

$ ec2-terminate-instances i-0f79d566

cd Desktop\webfile

Assignment 2

**For mockroo: generating tables with foreign keys watch youtube video**

**https://www.youtube.com/watch?v=S\_oYFGhZSkQ&list=LL&index=9**

**create database miniproject;**

**use miniproject;**

CREATE TABLE Shipment(Shipment\_ID int primary\_key not\_null,

Item\_ID varchar(50) foreign\_key references Item(Item\_ID),

Customer\_ID varchar(50) foreign\_key references Customer(Customer\_ID) ,

Date\_Of\_Shipping Date);

CREATE TABLE Customer(Customer\_ID varchar(50) primary\_key not\_null,

Name varchar(25),

Mobile\_No varchar(20),

Email\_ID varchar(30),

Date\_Of\_Birth Date);

CREATE TABLE Item(Item\_ID varchar(50) primary\_key not\_null,

Item\_Name varchar(20),

Description varchar(100),

Price int(6));

To connect to phpMyAdmin

**sudo systemctl start mariadb**