MONITORING ASSIGNMENT

INTEGRATE GRAFANA WITH MYSQL DB

PREREQUISITE

1) Create Linux EC2 instance in aws

2) yum install docker –y
3) systemctl start docker
4) systemctl enable docker

Install Grafana as docker container

1) docker run -d --name=grafana -p 3001:3000 -v grafana_config:/etc/grafana -v grafana_data:/var/lib/grafana -v grafana_logs:/var/log/grafana grafana/grafana

2) Give password admin:admin and replace to new password

Install MySql as docker container

docker run -d --name mysqldb -p 3306:3306 -v db_data:/var/lib/mysql -e MYSQL_ROOT_PASSWORD=password mysql:latest

Step 2 : docker exec -it mysqldb bash

Step 3 : mysql -u root -p password

Step 4 : show databases;

Step 5 : create database team;

Step 6: USE team;

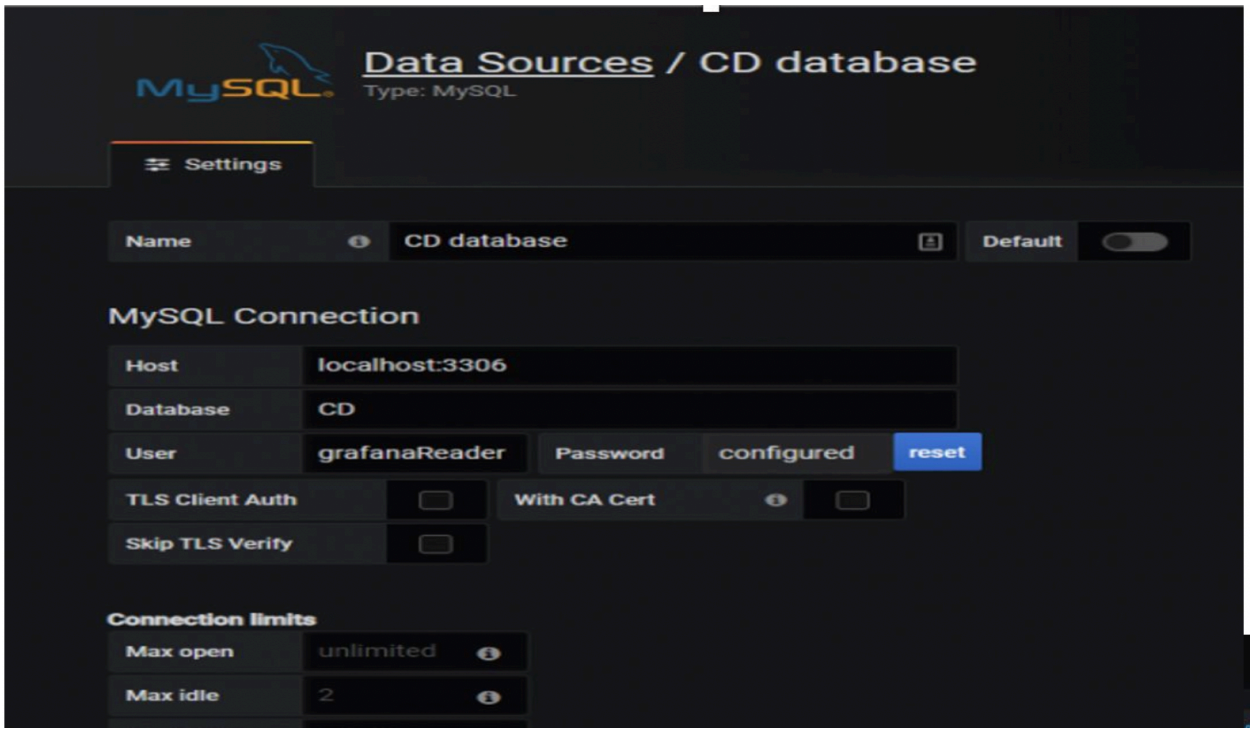
Step 7 : CREATE TABLE person (person_id INT NOT NULL PRIMARY KEY, fname VARCHAR(40) NULL, lname VARCHAR(40) NULL, age INT NOT NULL, created TIMESTAMP);

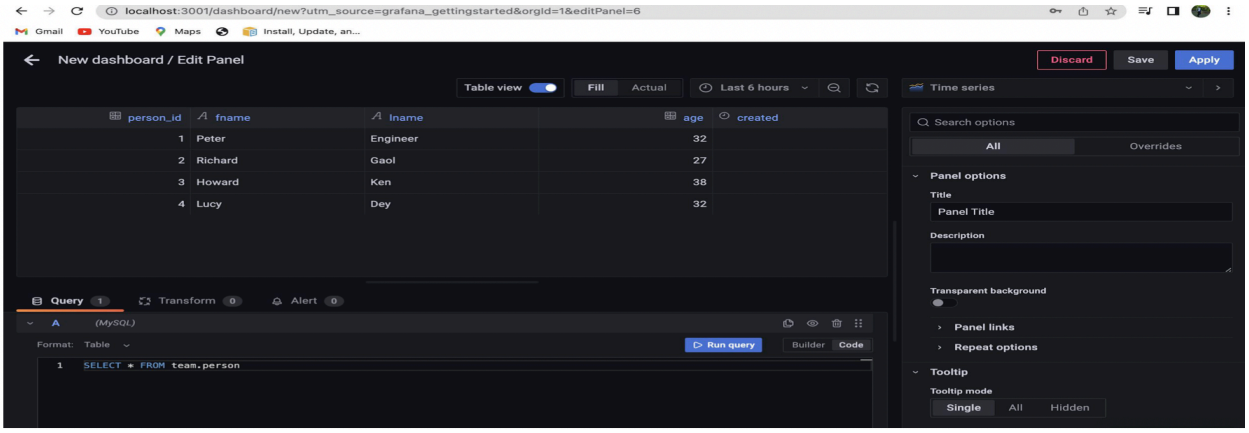
Step 8 : Show tables;

Step 9 : Insert the Data in Mysql DB

```
INSERT INTO person (person_id, fname, lname, age)
VALUES (1,'Peter','Engineer', 32);

INSERT INTO person (person_id, fname, lname, age)
VALUES (2, 'Richard', 'Gaol', 27);

INSERT INTO person (person_id, fname, lname, age)
VALUES (3, 'Howard', 'Ken', 38);

INSERT INTO person (person_id, fname, lname, age)
VALUES (4, 'Lucy', 'Dey', 32);
```

Step 10 : Add DataSource as MYSQL in GRAFANA



Step 11 : Add a dashboard with Add a panel and write the query

SELECT * FROM team.person