Hi,

Here is the solution of the task you are given to me.

**Task**:

.Application is highly scalable (horizontal scaling) LEMP application which fetches visitor no from Mysql database and displays it to user

Example output  is as follows

You are visitor no 1

You are visitor no 2

You are visitor no 3

And so on

**SOLUTION:**

**STEPS:**

**Step 1: Created first free trial account on aws**

**Step 2: Created Account on GitHub**

**Step 3: Created EC2 instances on AWS**

**Step 4: Made SSH connection of EC2 by using Putty**

**Step 5: installed Docker & wrote Docker-compose file for application LEMP and install**

**Step 6: Expose Different ports in Docker-compose for different images to access.**

**Step 6: Run Docker-compose**

**Step 7: Create Database name= “COMPANY” and Table name=login**

**Step 8: Add records into the Database.**

**Step 9: Made connection with Database using function mysql\_connect()**

**Step10: print the records.**

**Step 11: made 3-4 extra EC2 instances and install docker on it**

**Step 12: out of that instances made one instance on which I installed Docker-swarm and make it docker manager**

**Step 13: and generate the token and that docken pasted on other instance which I had created (step 11) and make cluster of docker-swarm**

**Step 14: scale up**

**docker service scale webservice=10**

**(to scale up the the services when more user hit the url)**

**Step:15 to scale down**

**Docker service scale webservice=2**