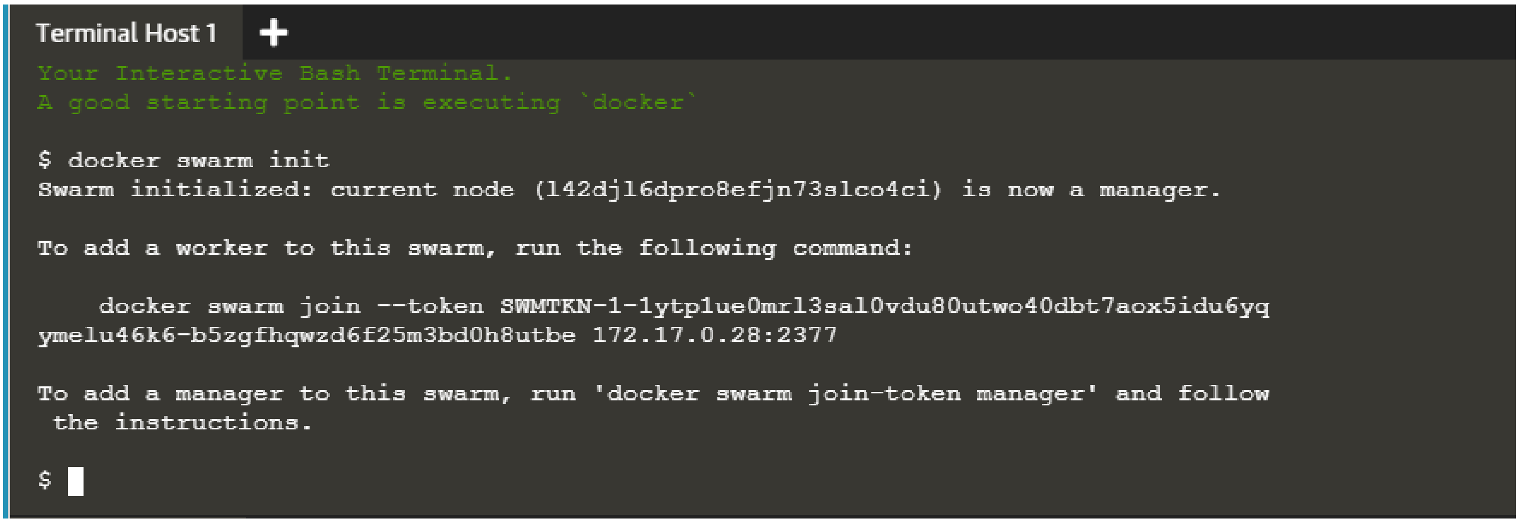
Application Containerization Lab
Experiment - 7

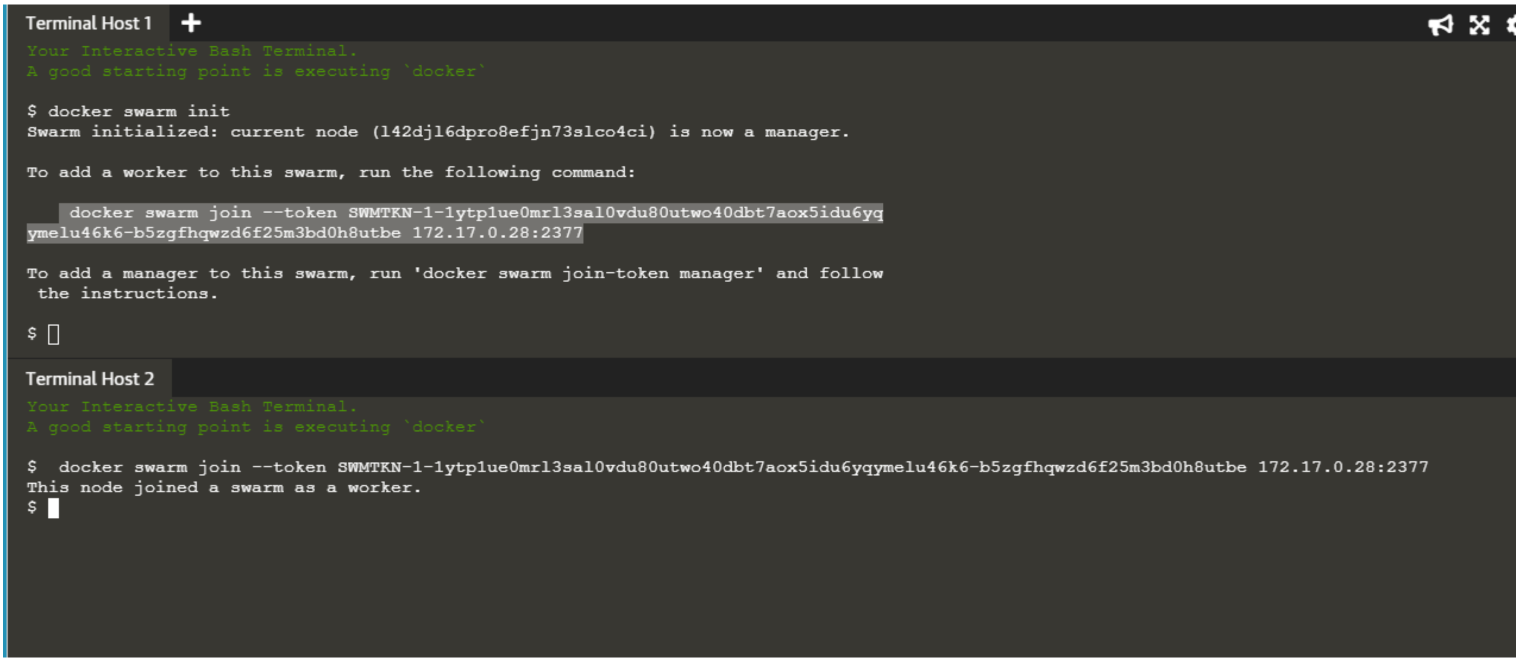
Aim: Understanding docker swarm.

1) Making the manager



```
Your Interactive Bash Terminal.
A good starting point is executing `docker`

$ docker swarm init
Swarm initialized: current node (l42djl6dpro8efjn73slco4ci) is now a manager.

To add a worker to this swarm, run the following command:

    docker swarm join --token SWMTKN-1-1ytp1ue0mrl3sal0vdu80utwo40dbt7aox5idu6yq
ymelu46k6-b5zgfhqwzd6f25m3bd0h8utbe 172.17.0.28:2377

To add a manager to this swarm, run 'docker swarm join-token manager' and follow
 the instructions.

$
```

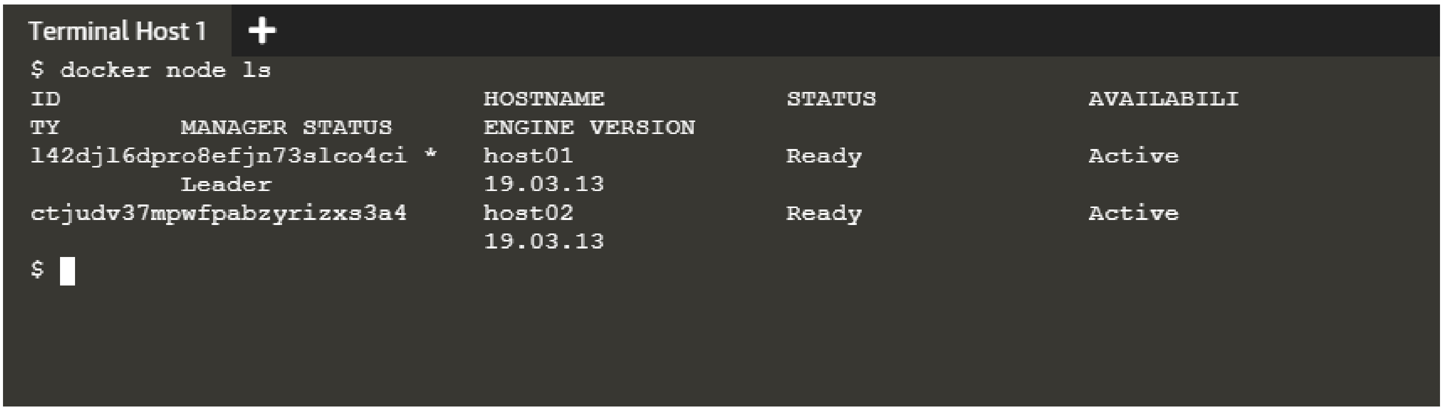
2) Adding a node to the manager



```
Your Interactive Bash Terminal.
A good starting point is executing `docker`

$ docker swarm init
Swarm initialized: current node (l42djl6dpro8efjn73slco4ci) is now a manager.

To add a worker to this swarm, run the following command:

    docker swarm join --token SWMTKN-1-1ytp1ue0mrl3sal0vdu80utwo40dbt7aox5idu6yq
ymelu46k6-b5zgfhqwzd6f25m3bd0h8utbe 172.17.0.28:2377

To add a manager to this swarm, run 'docker swarm join-token manager' and follow
 the instructions.

$
```

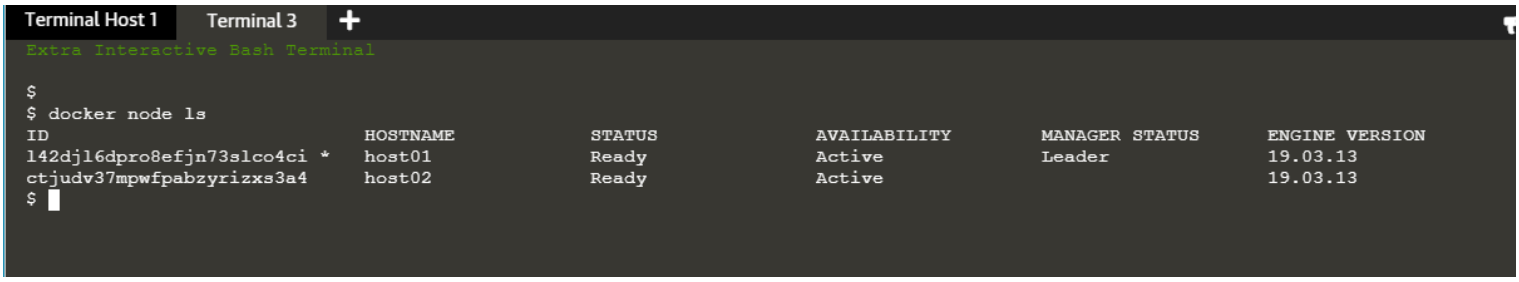
```
Your Interactive Bash Terminal.
A good starting point is executing `docker`

$  docker swarm join --token SWMTKN-1-1ytp1ue0mrl3sal0vdu80utwo40dbt7aox5idu6yqymelu46k6-b5zgfhqwzd6f25m3bd0h8utbe 172.17.0.28:2377
This node joined a swarm as a worker.
$
```

3) Running docker node ls on the manager



```
$ docker node ls
ID                            HOSTNAME            STATUS              AVAILABILI
TY         MANAGER STATUS     ENGINE VERSION
142dj16dpro8efjn73slco4ci *   host01              Ready               Active
           Leader             19.03.13
ctjudv37mpwfpabzyrizxs3a4     host02              Ready               Active
                              19.03.13

$
```

4) Running docker node ls on terminal 3 which is not connected to the manager



```
Extra Interactive Bash Terminal

$
$ docker node ls
ID                            HOSTNAME            STATUS              AVAILABILITY        MANAGER STATUS      ENGINE VERSION
142dj16dpro8efjn73slco4ci *   host01              Ready               Active              Leader              19.03.13
ctjudv37mpwfpabzyrizxs3a4     host02              Ready               Active                                  19.03.13
$
```