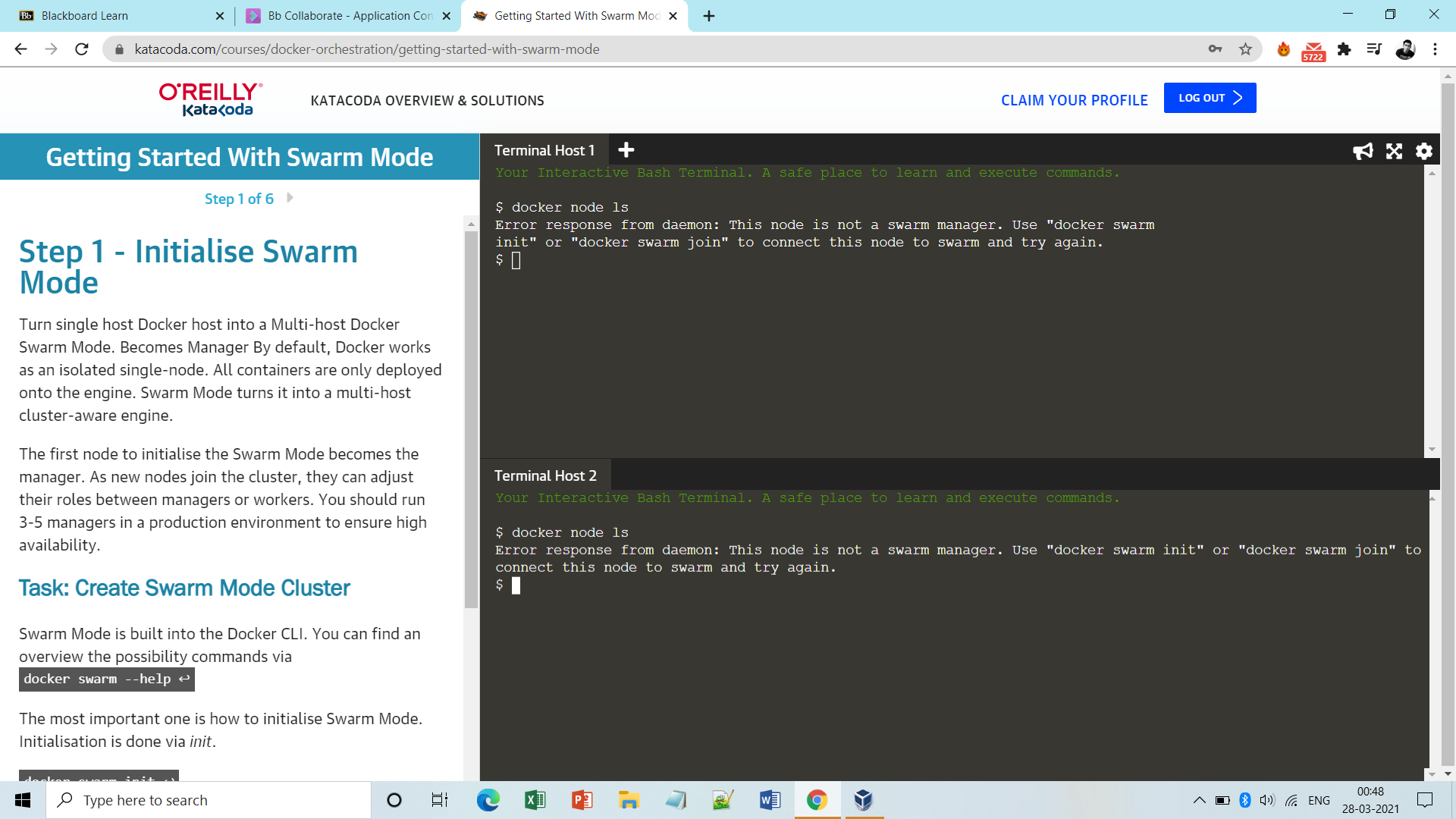
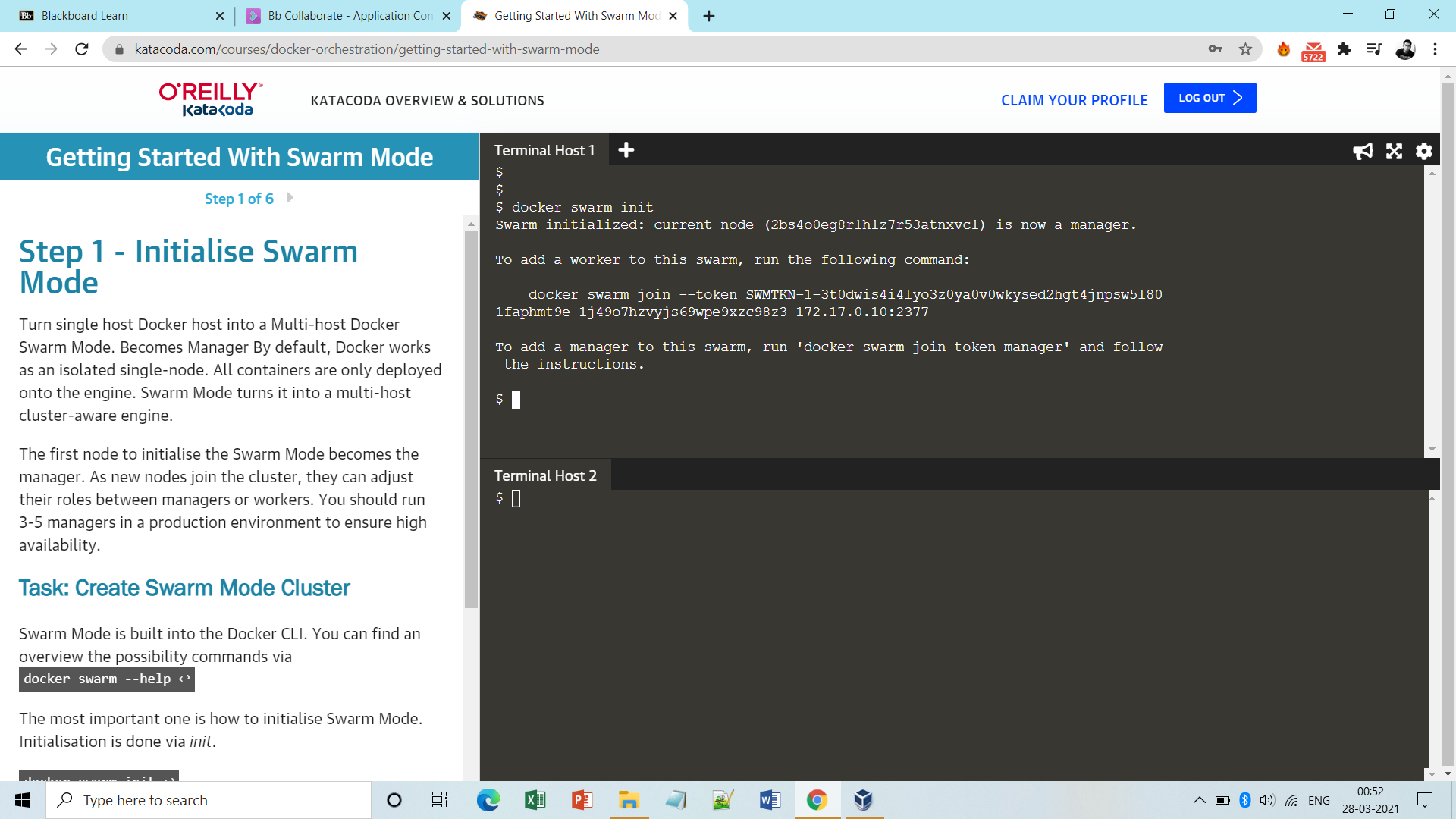
Experiment-7

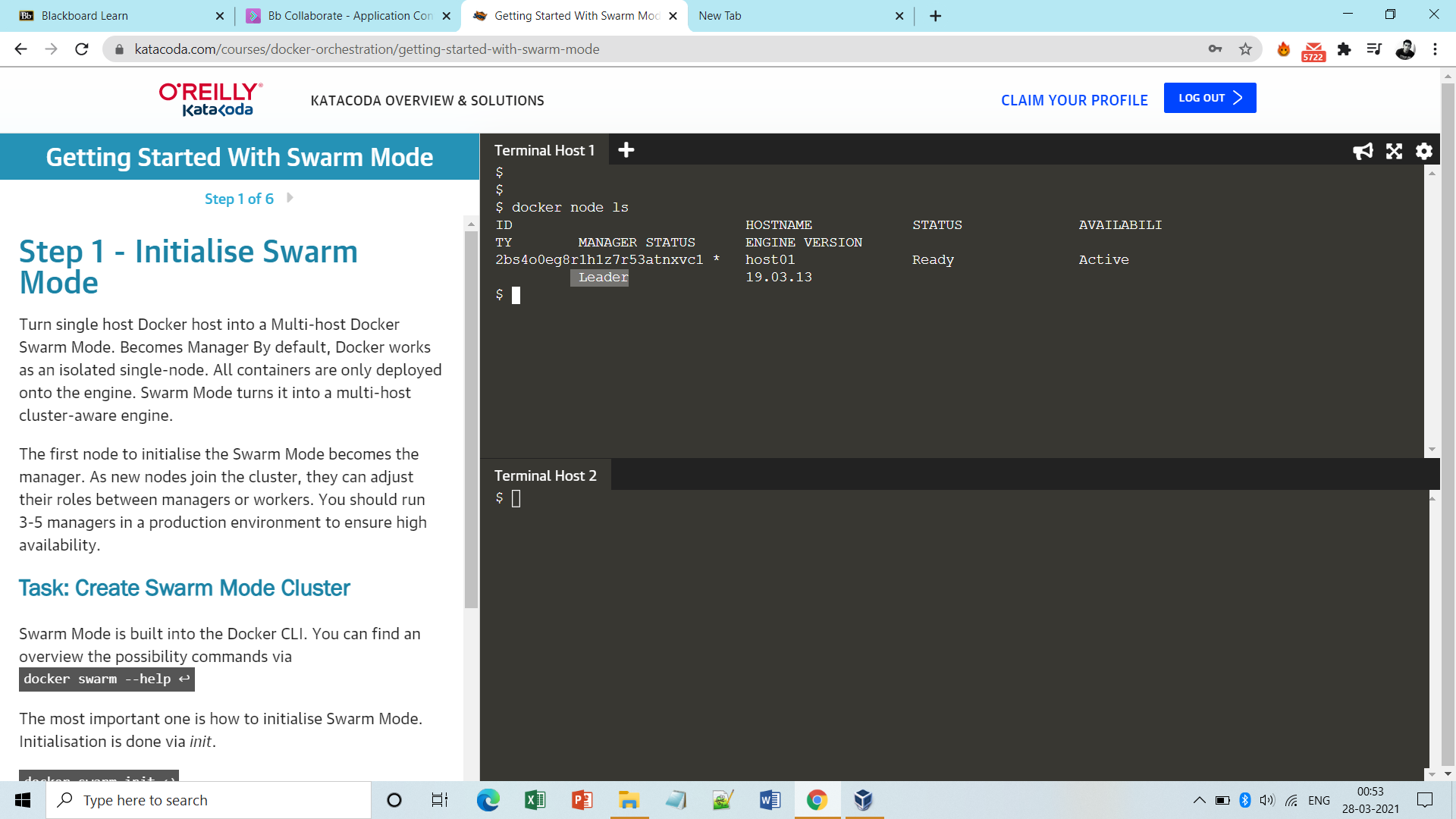
**Aim:** To create swarm cluster and scale up the containers/instances for a specific service.

**Perform the following steps to do the same.**

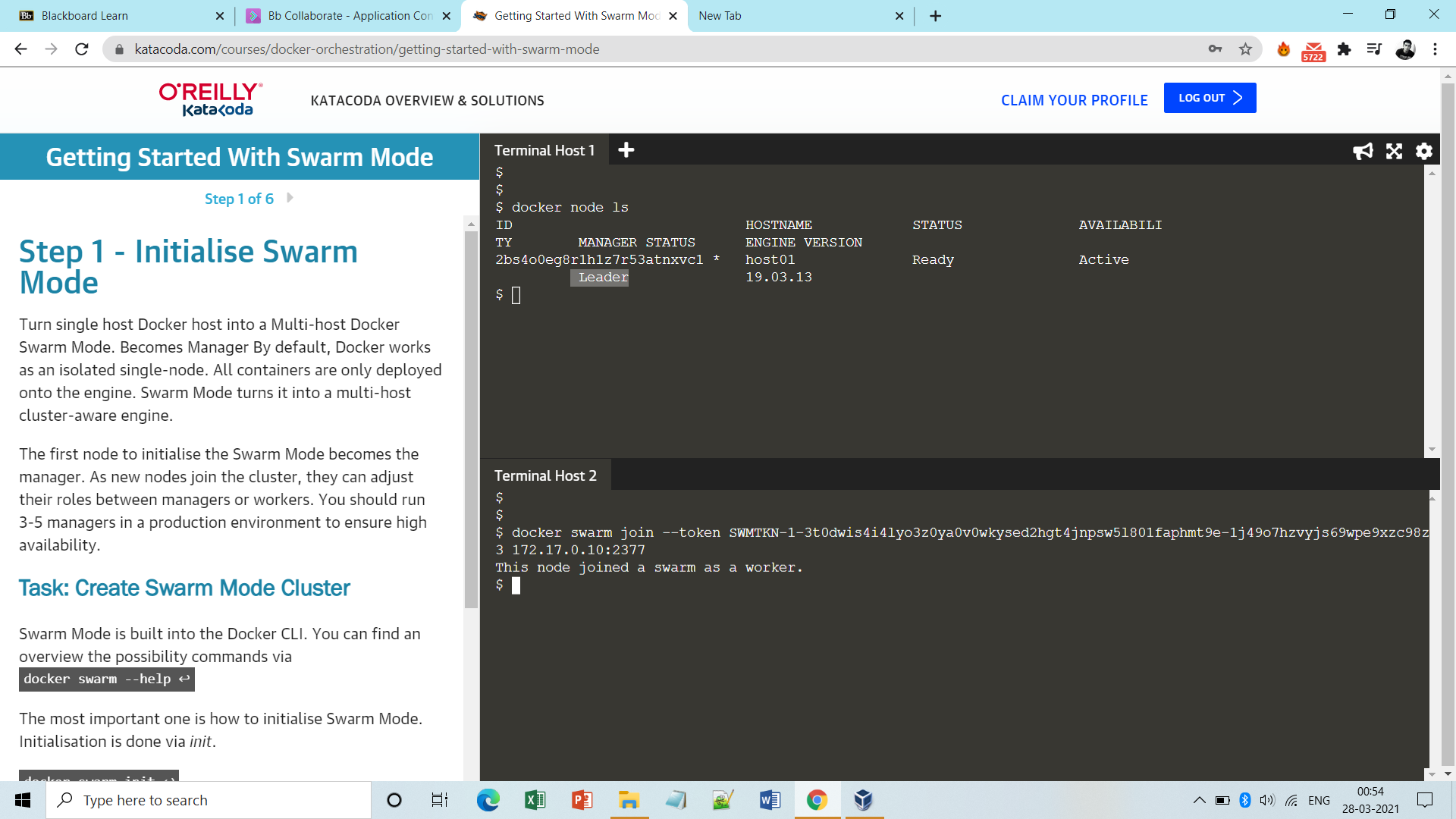
**Step1:** Check the nodes.

****

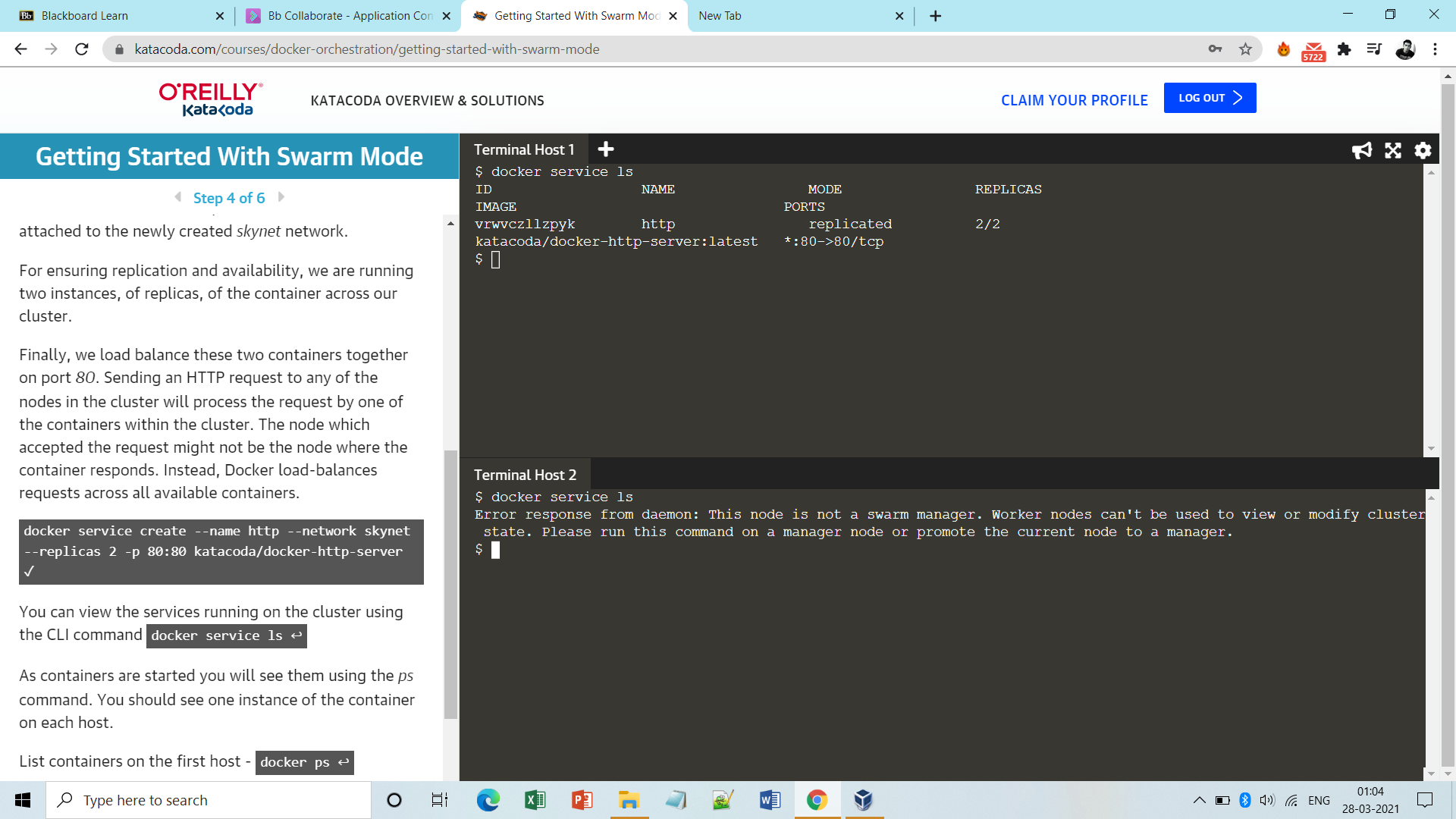
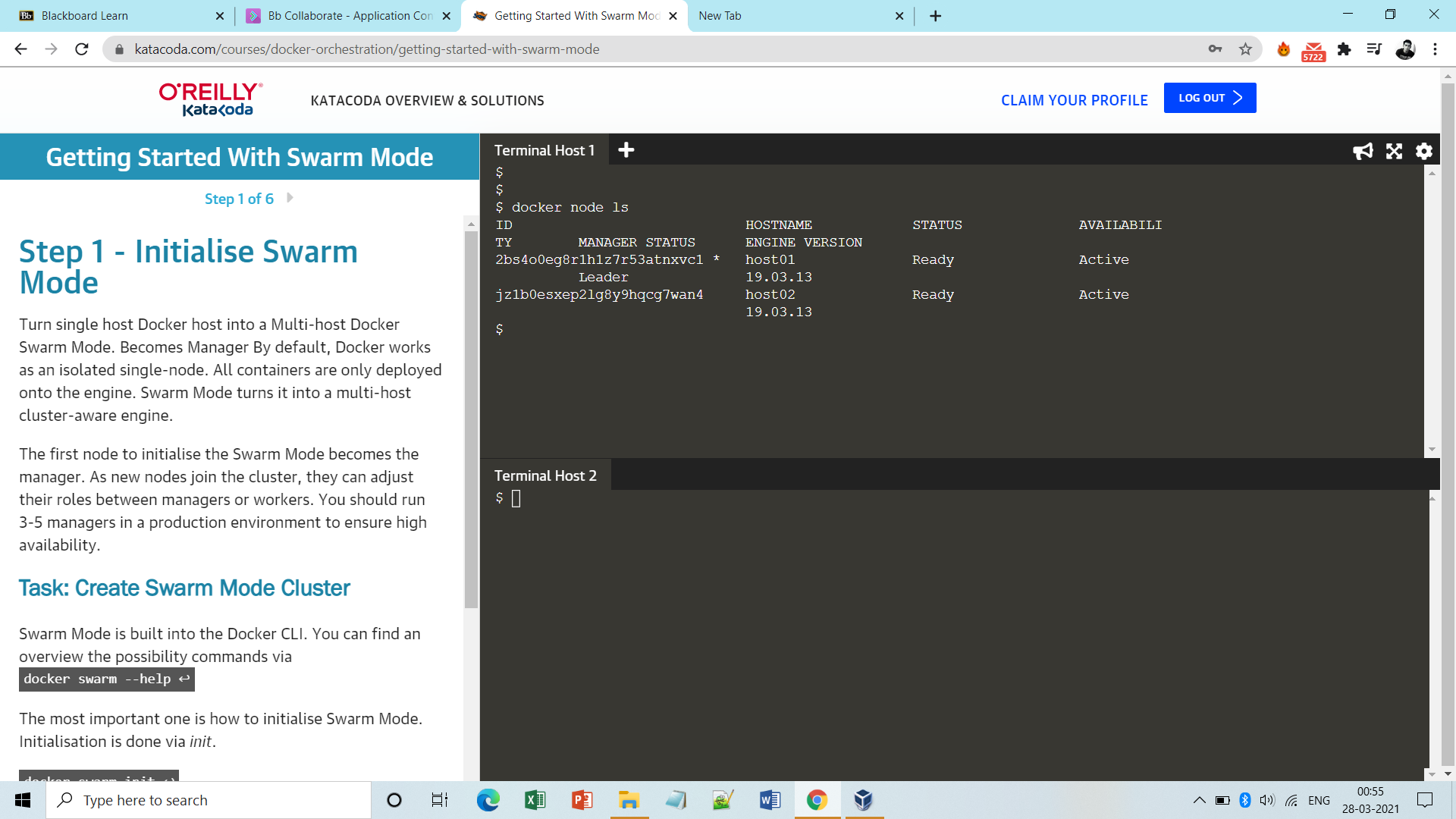
**Step2:** Initialize a node to make it master. ****



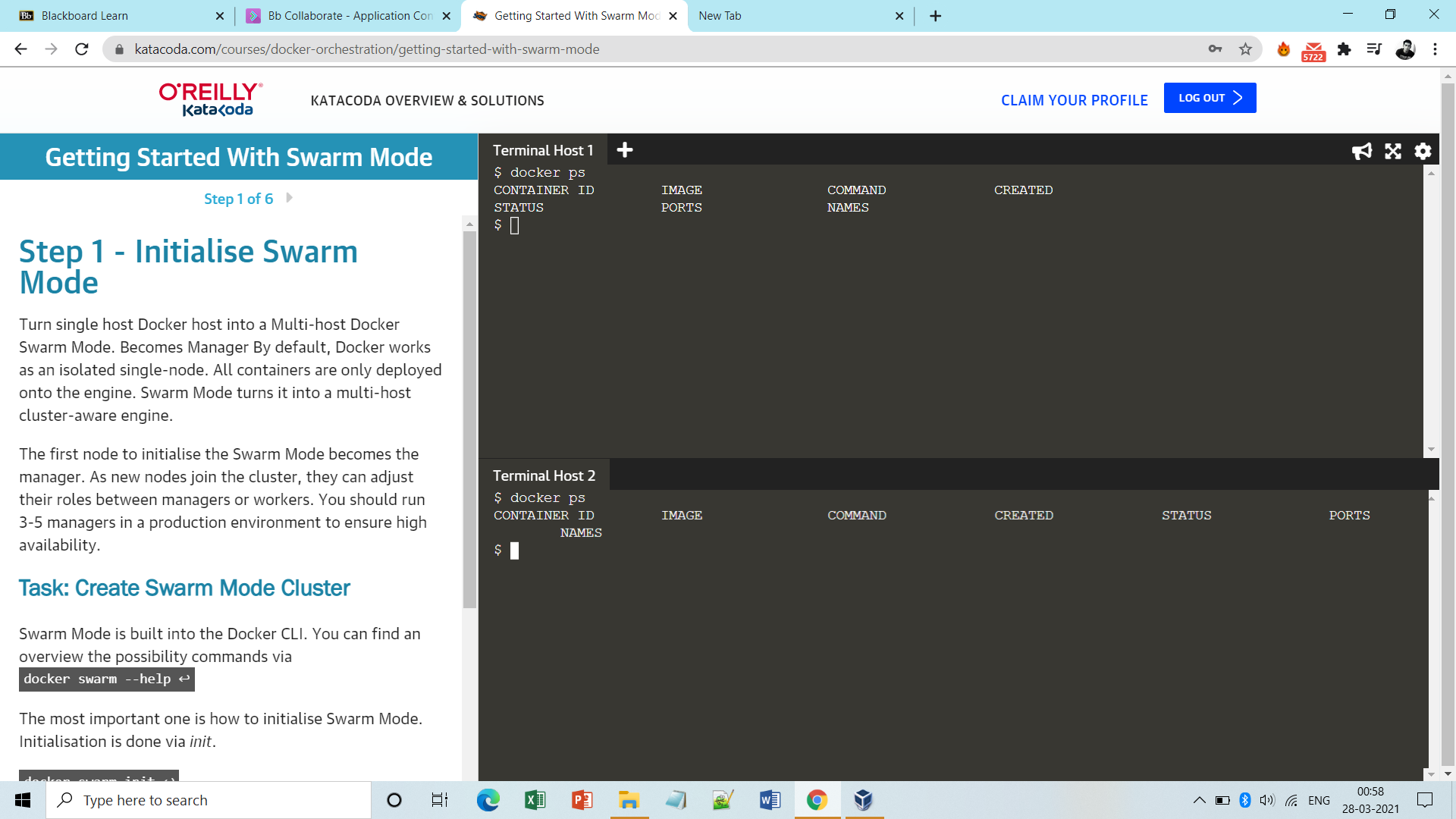
**Step3**: Join the worker node to the swarm cluster.



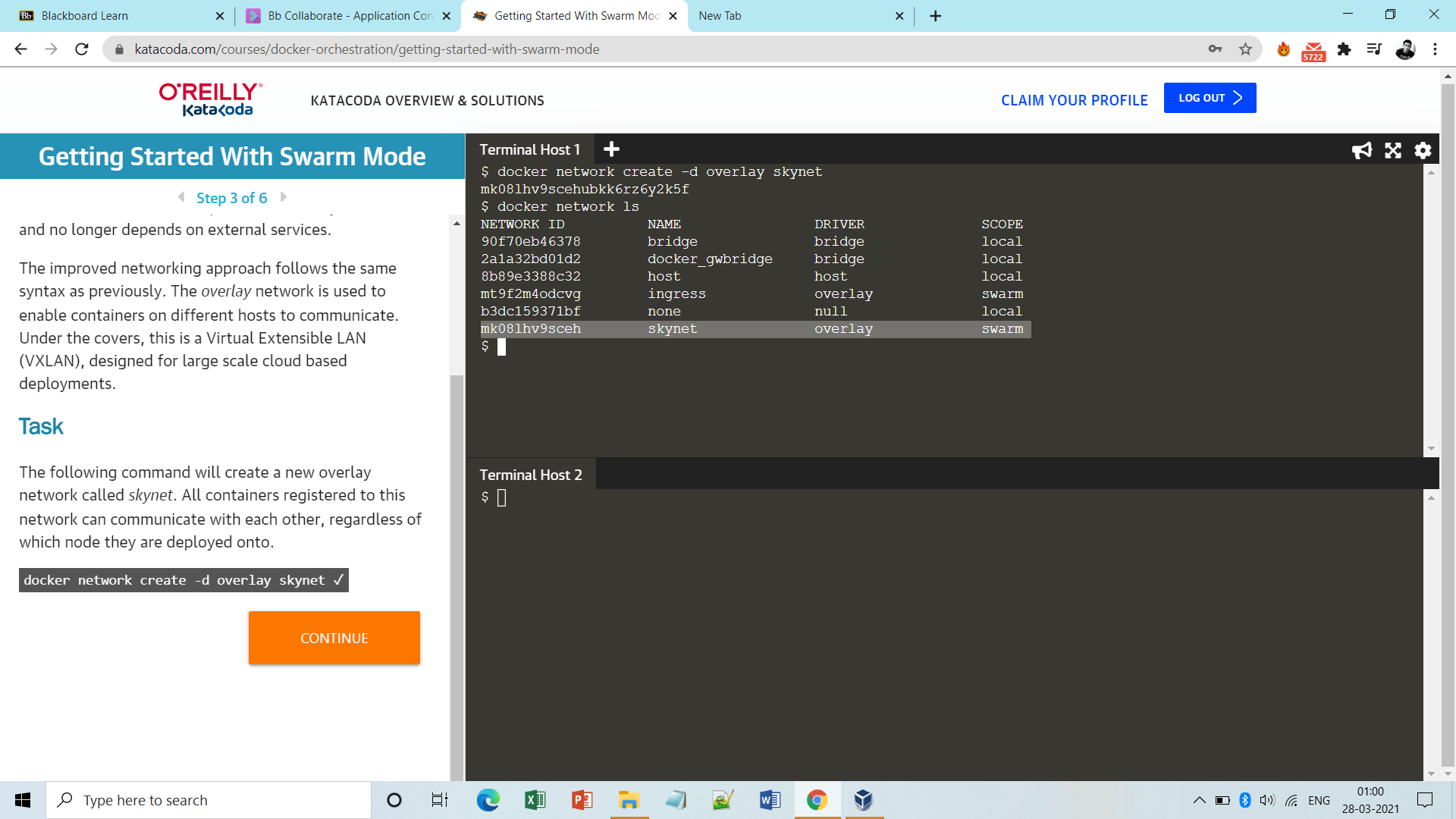
**Note:** Worker node has no authority to list the nodes or services.



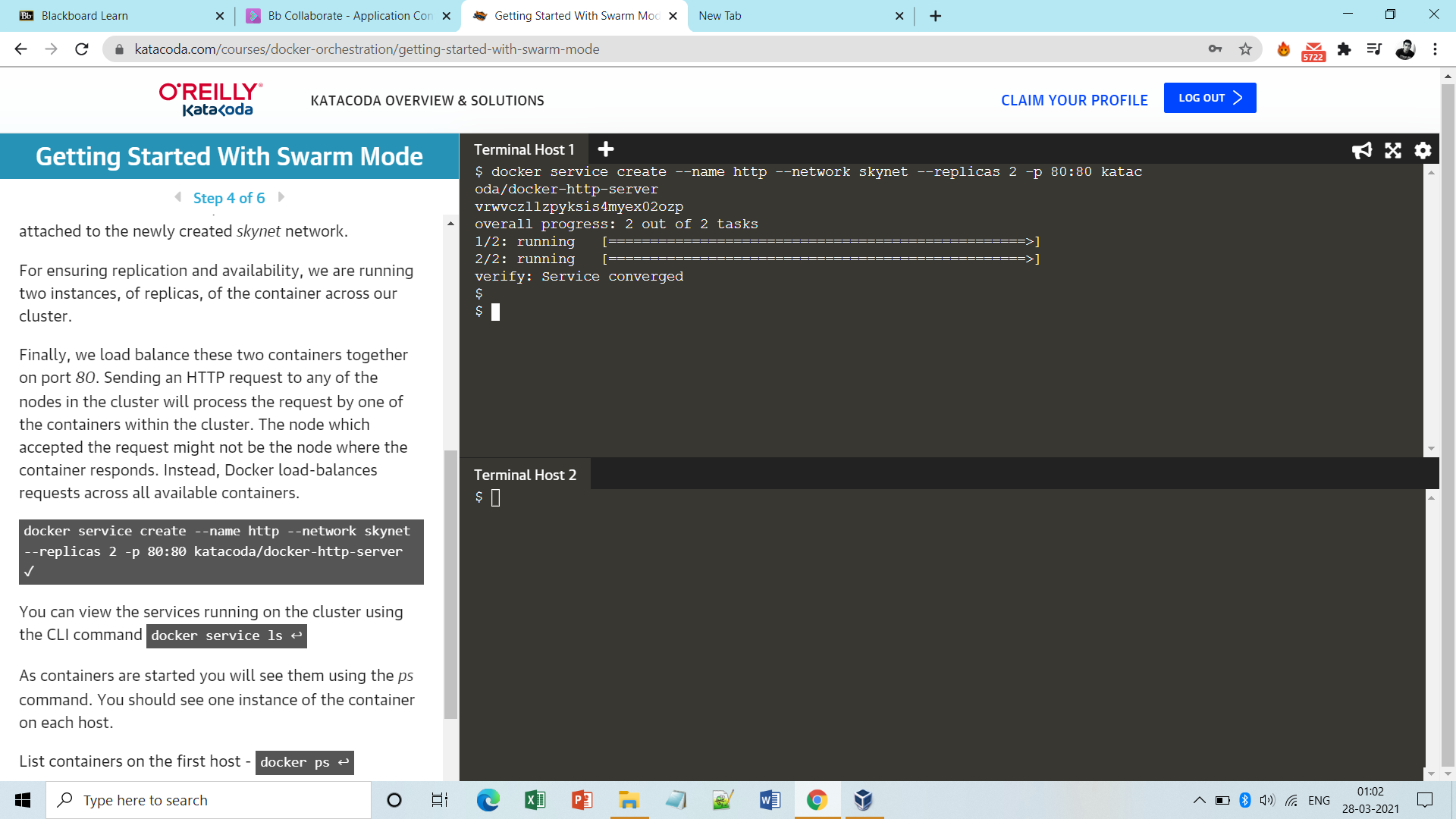
**Step4:** Check whether any instance is running on both the nodes.



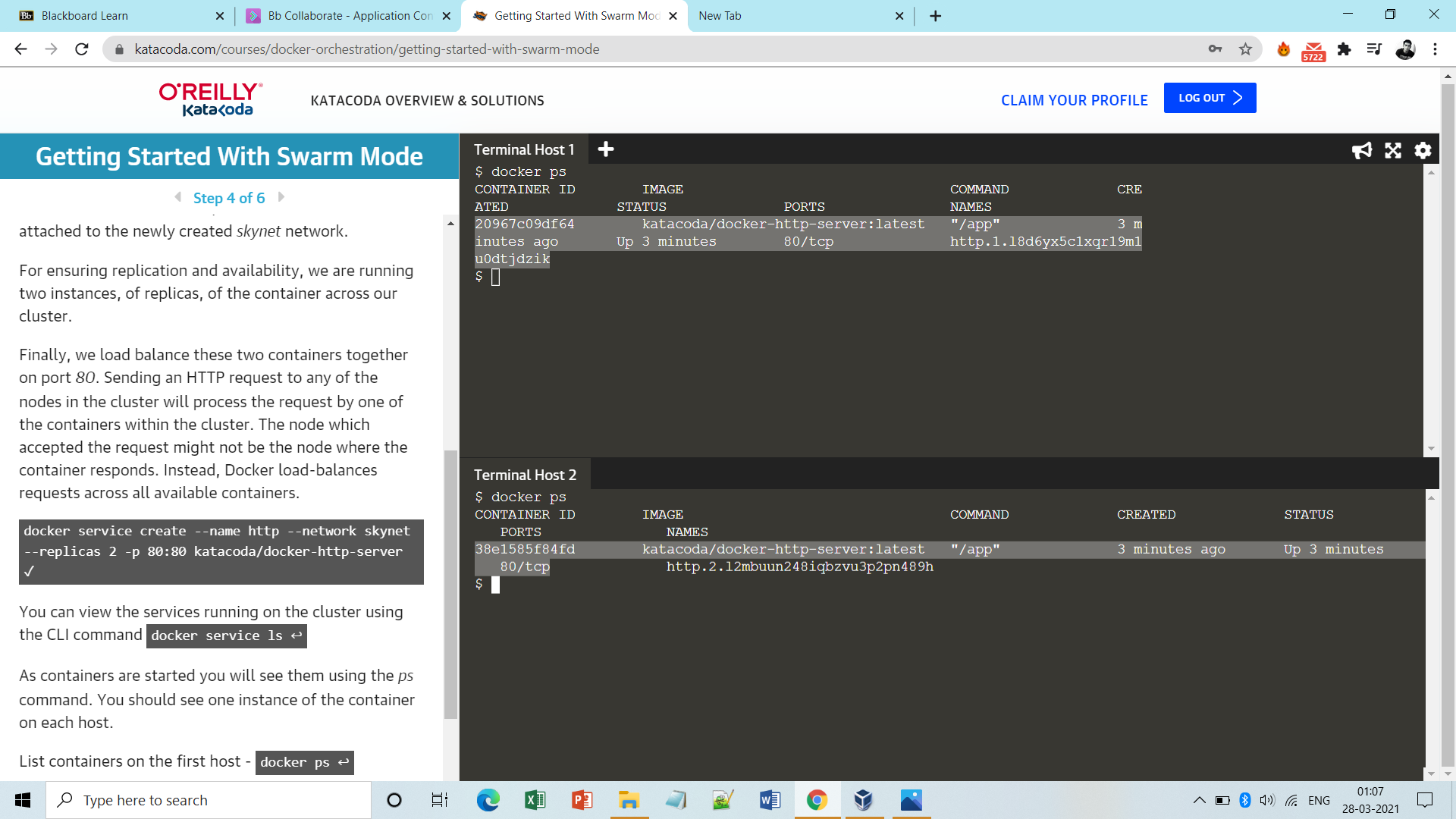
**Step5:** Create an overlay network via which nodes can communicate.

****

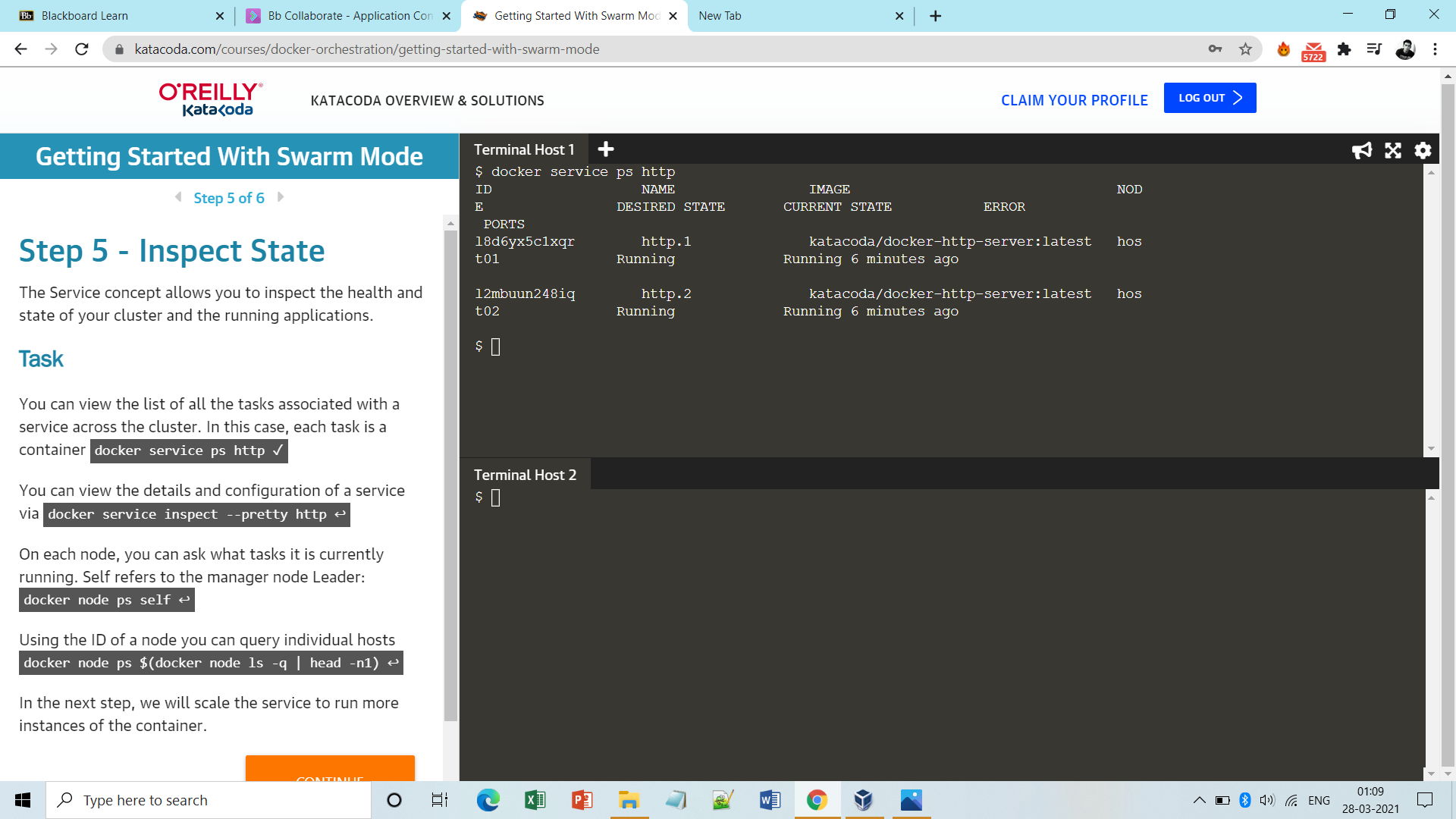
**Step6:** Initially run just 2 replicas of any service on the managed node.



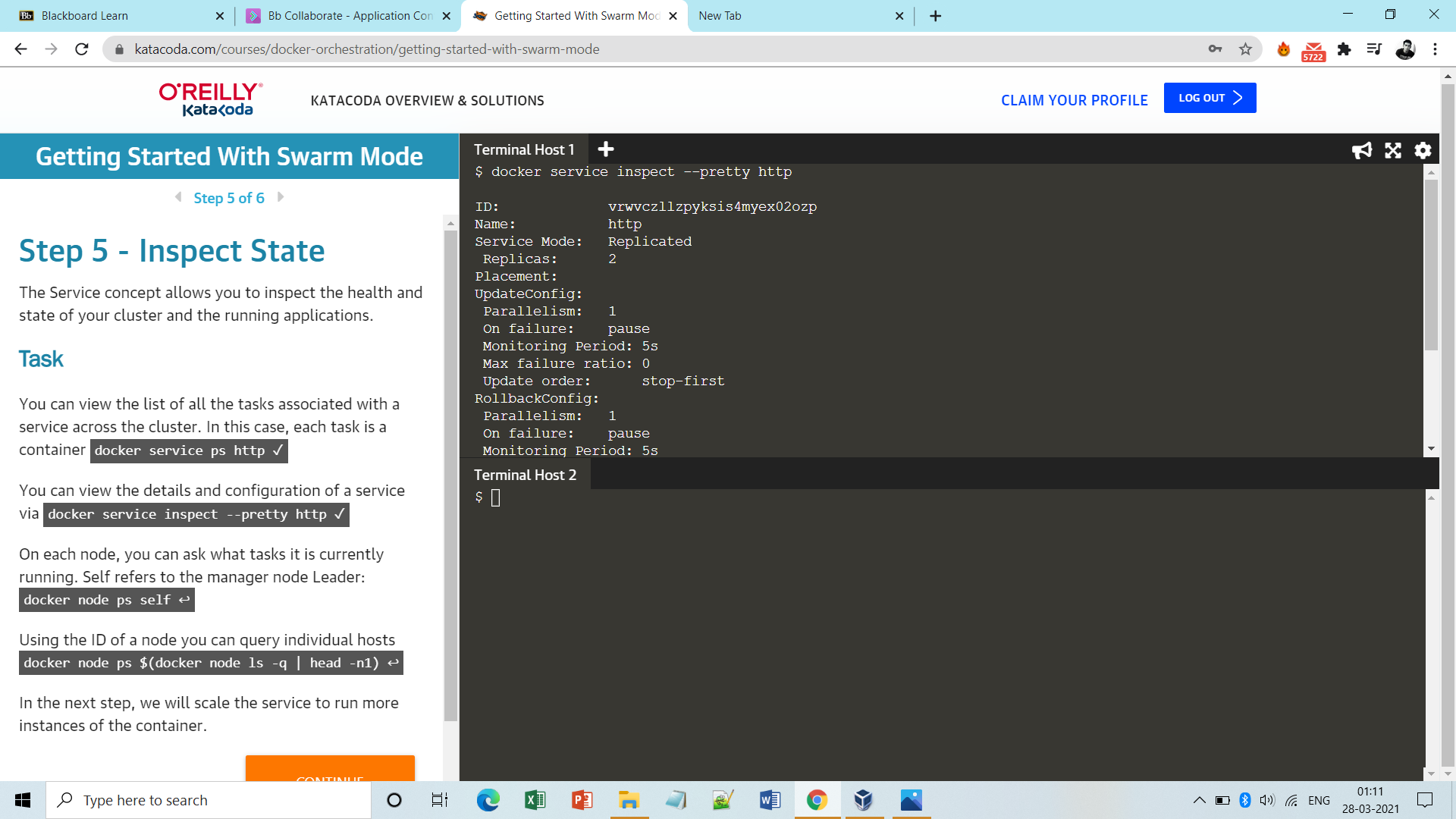
**Step7**: See the distribution of the replicas on the manager and work nodes.



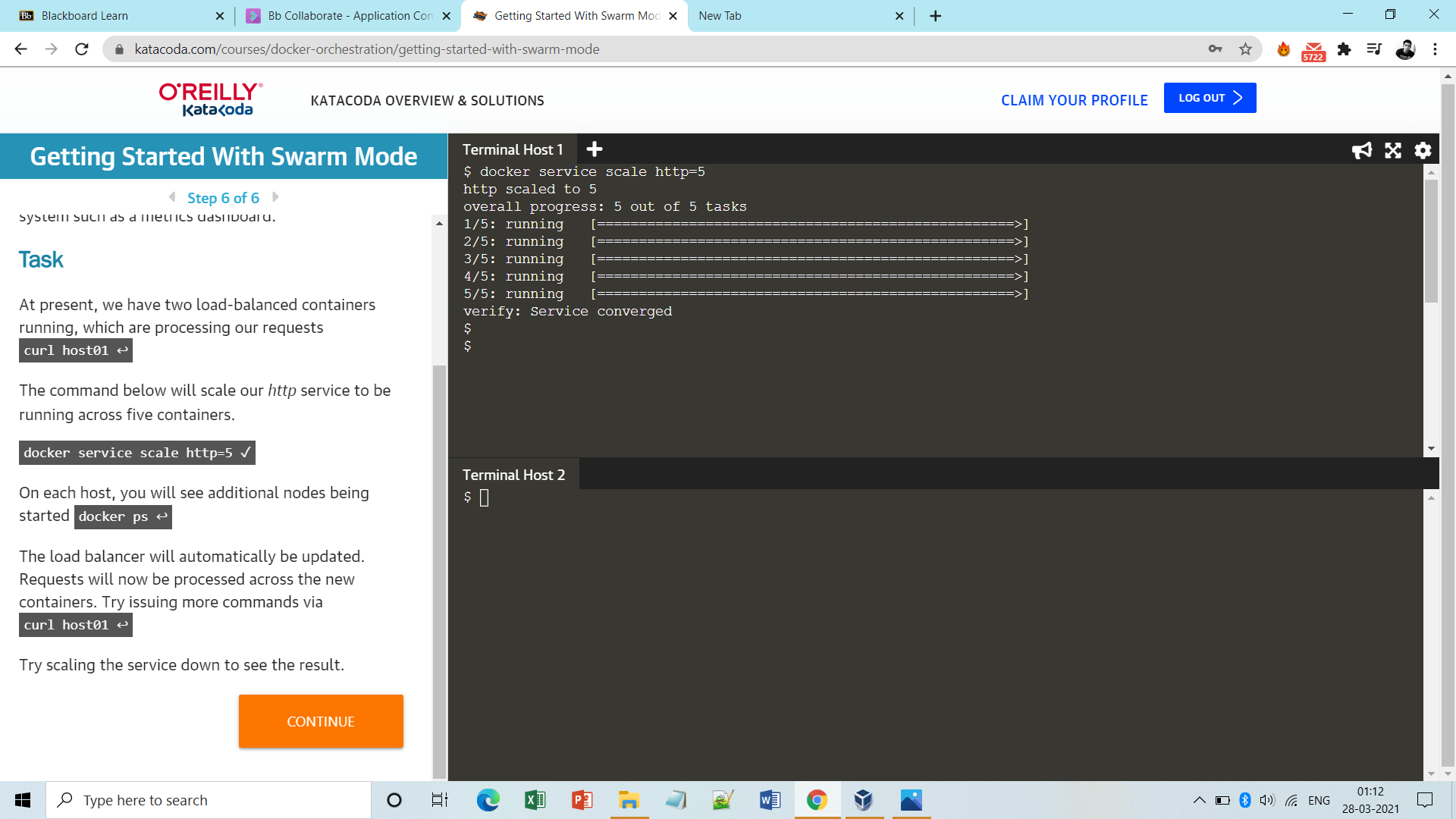
**Note:** To get state of a service:

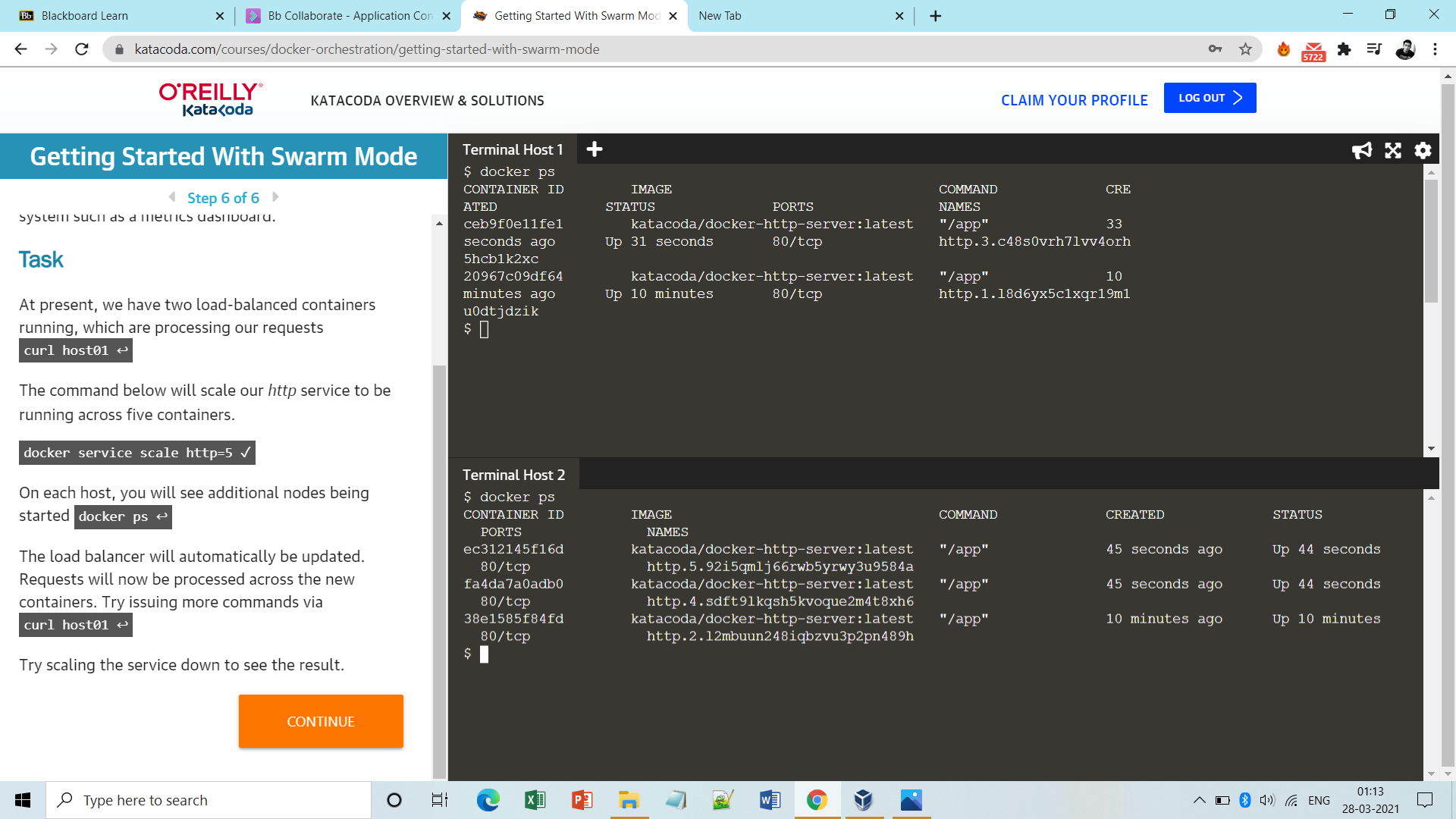


**Note:** To get the details of a service:

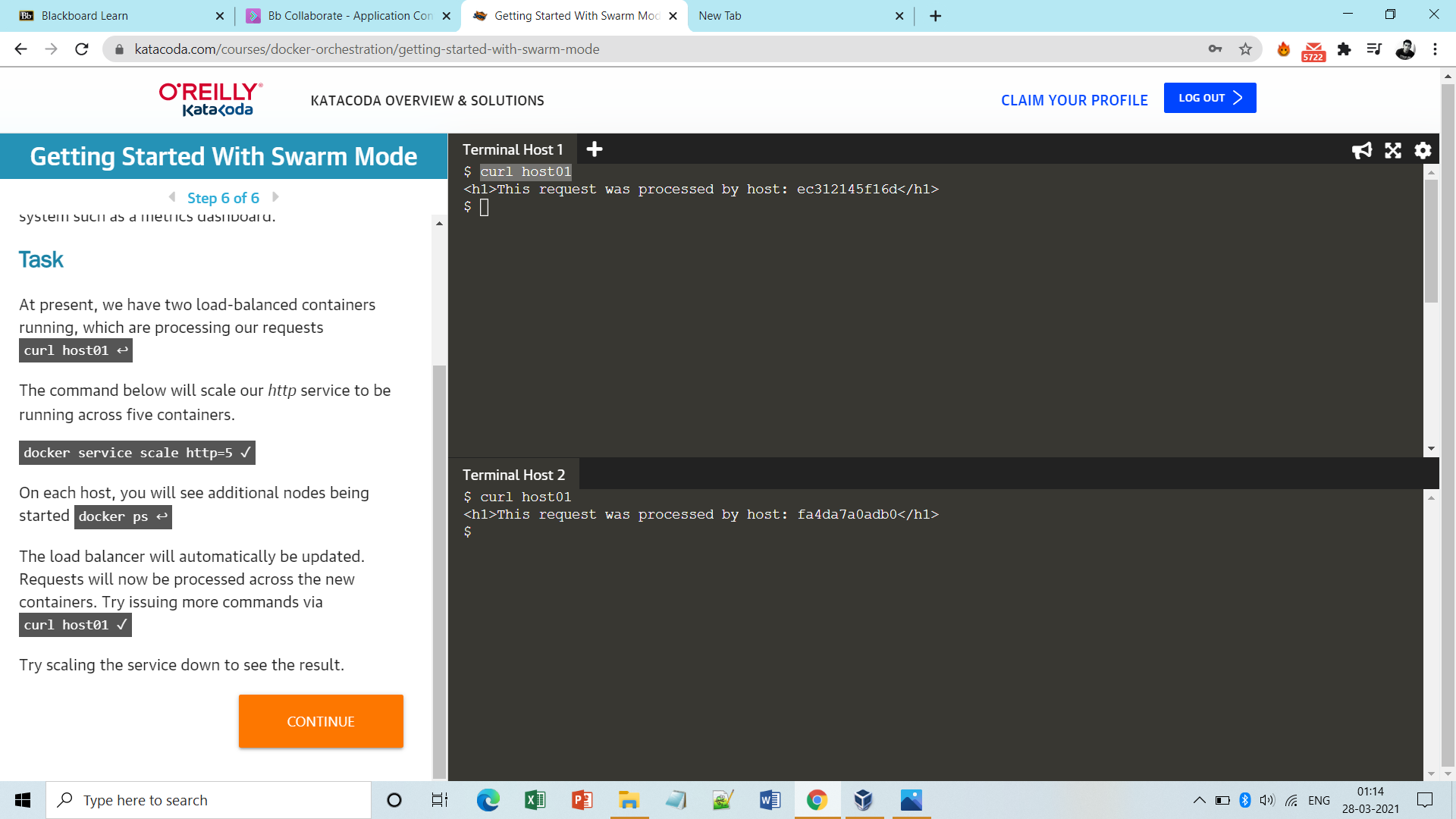
****

**Step8:** Now scale up to 5 and see it’s distribution.

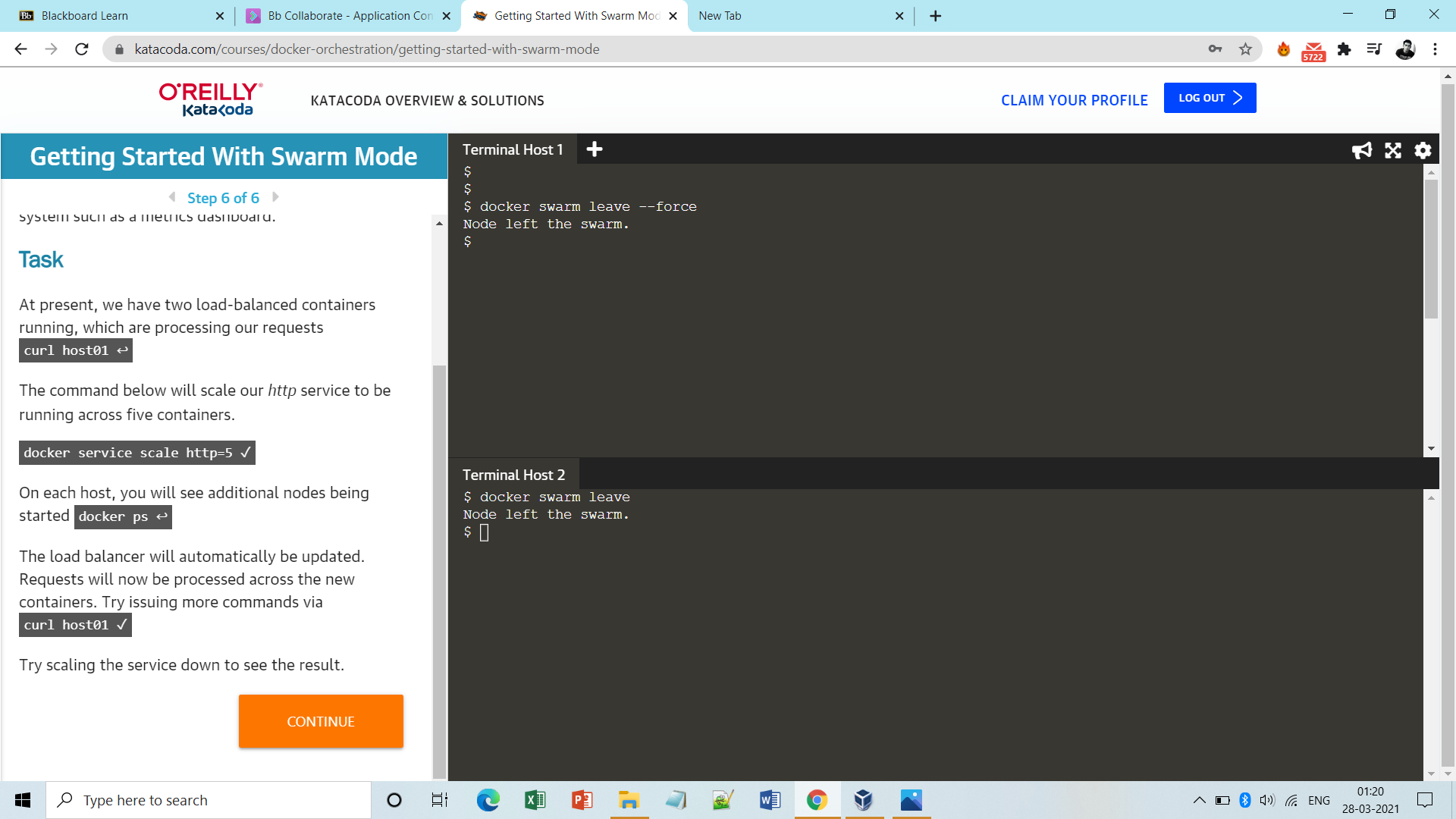




**S** **tep9:** To access the service:

****

**Step10:** To leave swarm cluster for a node:

****

**Note: Leaving the cluster by manager node is not a good idea as the data would be lost, but to do so we need to use ‘- -force’ option.**

**Done!!**