**Course End Project: Create a Docker Image and Deploy It on a Swarm Cluster**

**Project objective:**

You are working as a DevOps engineer in an IT firm. You have been asked to create a Redis-based Docker image and deploy it on a Swarm cluster.

**Background of the problem statement:**

Your organization wants to use Redis in a Swarm cluster for the data storage and caching purpose. The development team has asked you to create a Redis-based Docker image using a Dockerfile and deploy this image on a Swarm cluster.

You have also been asked to publish this image on your organization's Docker Hub account so that other team members can also access this image.

**You must use the following:**

* Docker CLI: To create the Docker image and deploy it on Swarm cluster
* Docker Hub: To publish the image

**Following requirements should be met:**

* Follow the above-mentioned specifications
* Make sure you create an account on Docker Hub to push the Docker image
* Document the step-by-step process involved in completing this task