**Experiment No. 3.2**

**Student Name:** Gaurav Kumar **UID:** 22MCC20177

**Branch:** MCA**–**CCD **Section/Group:** MCD-1/A

**Semester:** III **Date of Performance:** 5th Nov 23

**Subject Name:** CONTAINERIZATION **Subject Code:** 22CAH-742

WITH DOCKER

1. **Aim/Overview of the practical:**
   1. Creating a Private Docker Image Repository.
2. **Code for practical: (a)**

A private Docker image repository is a Docker registry that is only accessible to authorized users.

Private Docker image repositories can be hosted on-premises or in the cloud. There are many benefits to using a private Docker image repository, including:

* Security
* Compliance
* Performance

1. Pull the Registry Image from Dockerhub.

A computer screen with white text

Description automatically generated

1. Run local registry in detached mode.

A black screen with white text

Description automatically generated

1. Now, use it from within Docker:

$ docker pull nginx.

1. Set tag to ready for push.

$ docker tag nginx localhost:5000/nginx1



1. Pushing image to Private Docker Image Repository.

$ docker push localhost:5000/nginx1

A computer screen with white text

Description automatically generated

1. Check image is pushed or not in private repository.

curl <http://localhost:5000/v2/_catalog>

A screenshot of a computer screen

Description automatically generated