

## Experiment No. 1.2

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**Branch:** MCA – CCD

**Semester:** III

**Subject Name:** CONTAINERIZATION  
WITH DOCKER

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**Section/Group:** MCD-1/ Grp A

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### 1. Aim/Overview of the practical:

a) Pulling Docker Images from Docker Hub.

### 2. Code for practical:

**Step 1 :** To pull Docker images from Docker Hub, you can use the docker pull command. This command will download the image from Docker Hub and store it on your local machine.

**Step 2 :** To pull a single image, simply specify the image name and tag. For example, to pull the latest version of the Nginx image, you would use the following command:

```
docker pull nginx:latest
```

```
kg @ kg-Nitro in docker
[> sudo docker pull nginx:latest
[sudo] password for kg:
latest: Pulling from library/nginx
a378f10b3218: Pull complete
4dfff0708538: Pull complete
2135e49ace4b: Pull complete
c843f6b280ce: Pull complete
6f35ab6f1400: Pull complete
6c538b49fa4a: Pull complete
d57731fb9008: Pull complete
Digest: sha256:b4af4f8b6470febf45dc10f564551af682a802eda1743055a7dfc8332dffa595
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
```

**Step 3 :** To Check if Image is pulled or not, Run `docker images` command to list all the available images.

**Step 4 :** To run a downloaded image use `docker run -d imagename` command.

```
kg @ kg-Nitro in docker
[> sudo docker run -d -p 80:80 nginx
146ee9745467848fcee48e6c3c44249f7e44fc084ed140f4419eb07f08704876
```

**Step 5 :** To see running containers use `docker ps` command.

```
kg @ kg-Nitro in docker
[> sudo docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS
PORTS         NAMES
146ee9745467   nginx     "/docker-entrypoint...." 2 minutes ago  Up 2 minutes
0.0.0.0:80->80/tcp, :::80->80/tcp  heuristic_goldberg
```