**DevOps**

**Day - 1 Assignment**

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# Step 1: Install Docker

**Download Docker**:

**Verify Installation**: After installation, open your terminal or command prompt and run the following command:

docker --version

# Step 2: Download the Nginx Docker Image

**Pull the Image**: Use the following command to download the official Nginx image from Docker Hub:

docker pull nginx

**Check Image**: Verify that the image has been downloaded using:

docker images

# Step 3: Run the Nginx Container

**Start a Container**: Run the following command to start a Docker container using the Nginx image: docker run --name my-nginx -p 32769:80 -d nginx

**Explanation:**

--name my-nginx → Assigns a name to the container.

-p 32769:80 → Maps port 80 from the container to port 32769 on your local machine.

-d →Runs the container in detached mode (in the background).

# Step 4: Check the Container Status

**List Running Containers**: Confirm the container is running using: docker ps

You should see my-nginx in the list with 0.0.0.0:32769->80/tcp as the port mapping.

**Troubleshooting**: If the container is not running, check the logs using:

docker logs my-nginx

# Step 5: View the Nginx Page

**Open the Browser**: Go to your preferred web browser.

**Access the Nginx Page**:

[http://localhost:32769](http://localhost:32769/)

**View the Page**: You should see the default Nginx welcome page, which confirms everything is set up correctly.

