

docker-volumes-demo.sh

```
# =====
```

```
# Docker Volume & Bind Mount Demo
```

```
# =====
```

```
echo "Creating a Docker named volume..."
```

```
docker volume create mydockervolume
```

```
echo "Running a container using the named volume..."
```

```
docker run -d --name volumecontainer -v mydockervolume:/usr/share/nginx/html -p 8080:80 nginx
```

```
echo "Creating a folder for bind mount..."
```

```
mkdir -p /home/ec2-user/myvolume
```

```
echo "Creating a sample HTML file..."
```

```
echo "<h1>Hello from Bind Mount!</h1>" > /home/ec2-user/myvolume/index.html
```

```
echo "Running an Nginx container with bind mount..."
```

```
docker run -d --name nginxbind -v /home/ec2-user/myvolume:/usr/share/nginx/html -p 80:80 nginx
```

```
echo "Listing all Docker volumes..."
```

```
docker volume ls
```

```
echo "Inspecting named volume..."
```

```
docker volume inspect mydockervolume
```

```
echo "Showing running containers..."
```

```
docker ps
```

```
echo "Done. Visit your EC2 public IP to test Nginx bind mount."
```

✅ How to Use

1. Save the file:

```
nano docker-volumes-demo.sh
```

2. Paste the above content and save (Ctrl + O, Enter, Ctrl + X)

3. Make it executable:

```
chmod +x docker-volumes-demo.sh
```

4. Run it:

```
./docker-volumes-demo.sh
```