

## Unit-1 Docker Practice

### DOCKER CONTAINER SECTION:

#### 1 Example 1 :

Windows PowerShell

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Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

```
PS C:\Users\sr302> docker stop nginx_app
```

```
nginx_app
```

```
PS C:\Users\sr302> docker start nginx_app
```

```
nginx_app
```

```
PS C:\Users\sr302> docker run -d --name nginx_app -e ENV_MODE=production nginx
```

```
docker: Error response from daemon: Conflict. The container name "/nginx_app" is already in use by container "5f9a5a0e7e50716de0d6ab8765bb54de35051a200eed14c43041546691765a17". You have to remove (or rename) that container to be able to reuse that name.
```

Run 'docker run --help' for more information

```
PS C:\Users\sr302> docker run -d --name nginx_app1 -e ENV_MODE=production nginx
```

```
0285c552261e69b8c6bfd17ce45b09d4a7b4a3ad44252eb5a64e20182c741ffa
```

```
PS C:\Users\sr302> docker logs -f my_app
```

```
root@6c972dfb3589:/# echo $APP_ENV
```

```
production
```

```
root@6c972dfb3589:/# cd /data
```

```
root@6c972dfb3589:/data# echo "Hello Docker Volume" > test.txt
```

```
root@6c972dfb3589:/data# exit
```

```
exit
```

```
PS C:\Users\sr302> docker start web_server
```

```
Error response from daemon: No such container: web_server
```

```
failed to start containers: web_server

PS C:\Users\sr302> docker stop nginx_app

nginx_app

PS C:\Users\sr302> docker start web_server

Error response from daemon: No such container: web_server

failed to start containers: web_server

PS C:\Users\sr302> docker start nginx_app

nginx_app

PS C:\Users\sr302> docker stop nginx_app

nginx_app

PS C:\Users\sr302> docker run -d --name nginx_app1 -e ENV_MODE=production nginx

docker: Error response from daemon: Conflict. The container name "/nginx_app1" is already in use by container "0285c552261e69b8c6bfd17ce45b09d4a7b4a3ad44252eb5a64e20182c741ffa". You have to remove (or rename) that container to be able to reuse that name.
```

Run 'docker run --help' for more information

```
PS C:\Users\sr302> docker run -d --name nginx_app1 -e ENV_MODE=production nginx
```