

```
PS C:\Users\HP\getting-started-master> cd app
```

```
PS C:\Users\HP\getting-started-master\app> docker build -t getting-started .
```

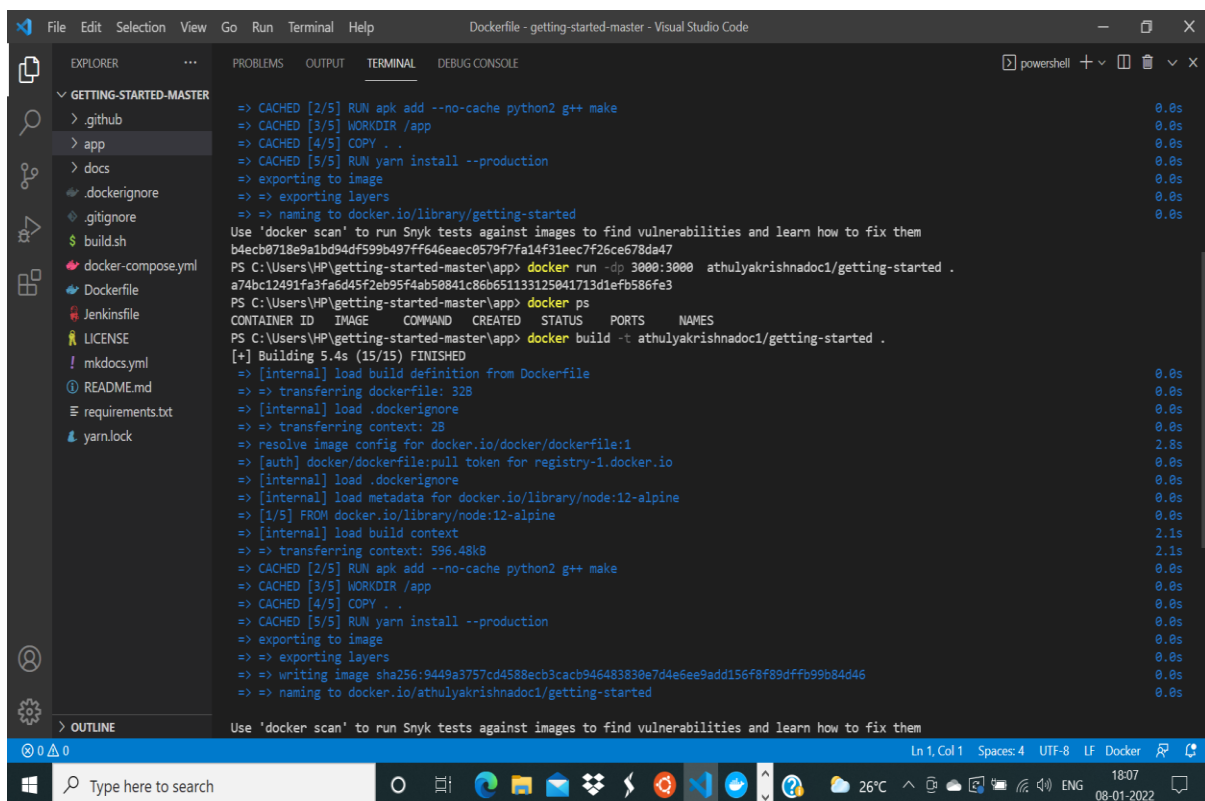
```
PS C:\Users\HP\getting-started-master\app> docker run -dp 3000:3000 athulyakrishnadoc1/getting-started .
```

```
PS C:\Users\HP\getting-started-master\app> docker build -t athulyakrishnadoc1/getting-started .
```

```
PS C:\Users\HP\getting-started-master\app> docker run -dp 3000:3000 athulyakrishnadoc1/getting-started .
```

```
4edd6096795e09996f7fd794b27b894c26c0651879f18b7032f075c171d257e7
```

```
PS C:\Users\HP\getting-started-master\app> docker ps
```

A screenshot of the Visual Studio Code interface. The Explorer pane on the left shows the file structure of a project named 'GETTING-STARTED-MASTER', including files like .github, app, docs, .dockerignore, .gitignore, build.sh, docker-compose.yml, Dockerfile, Jenkinsfile, LICENSE, mkdocs.yml, README.md, requirements.txt, and yarn.lock. The Terminal pane on the right shows a PowerShell session. It starts with a 'cd app' command, followed by 'docker build -t getting-started .' and 'docker run -dp 3000:3000 athulyakrishnadoc1/getting-started .'. The output shows the build process, including caching and layer exporting. The run command output shows the container ID and status. The bottom status bar indicates the file is at line 1, column 1, with 4 spaces, in UTF-8 encoding, and the Docker extension is active. The system tray at the bottom shows the date as 08-01-2022 and time as 18:07.

```
PS C:\Users\HP\getting-started-master\app> docker run -dt redis
```

```
PS C:\Users\HP\getting-started-master\app> docker -v
```

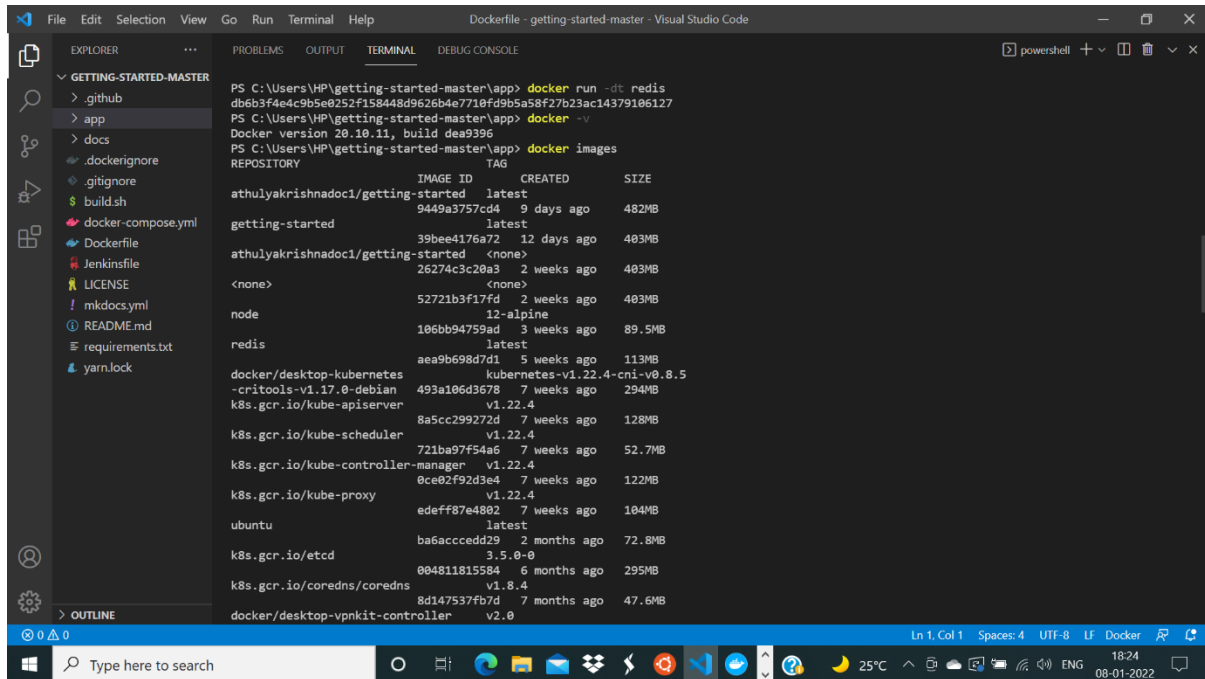
```
Docker version 20.10.11, build dea9396
```

```
PS C:\Users\HP\getting-started-master\app> docker images
```

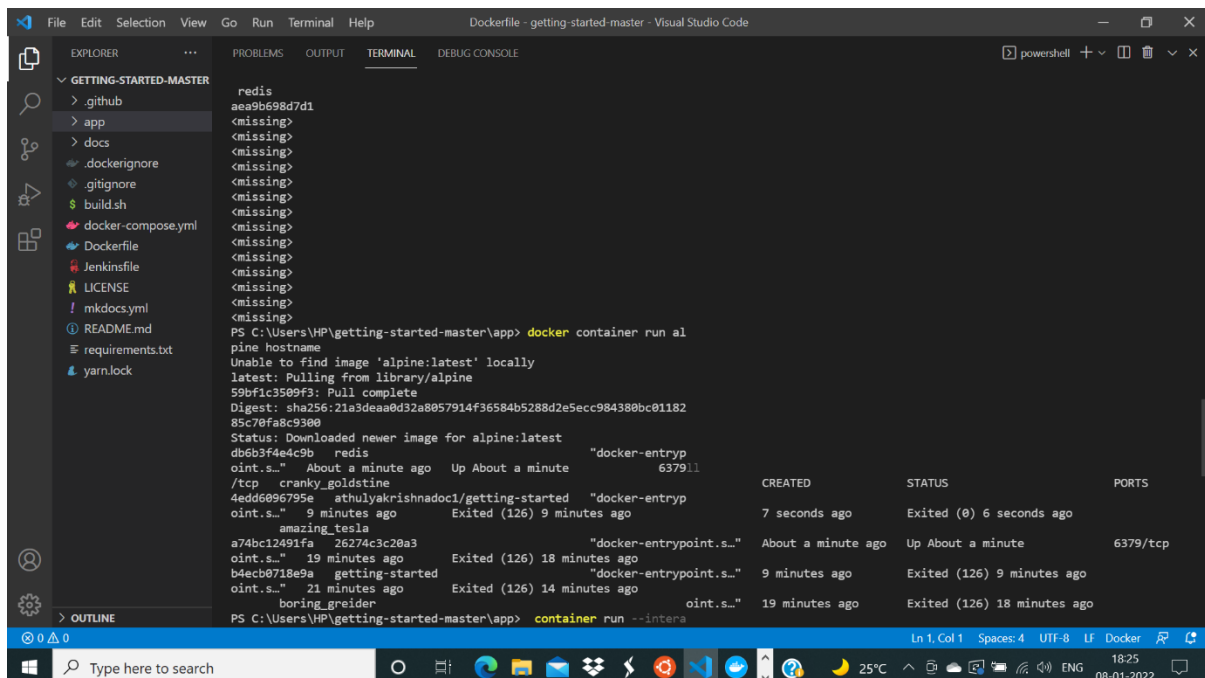
PS C:\Users\HP\getting-started-master\app> docker image history

PS C:\Users\HP\getting-started-master\app> docker image history -q redis

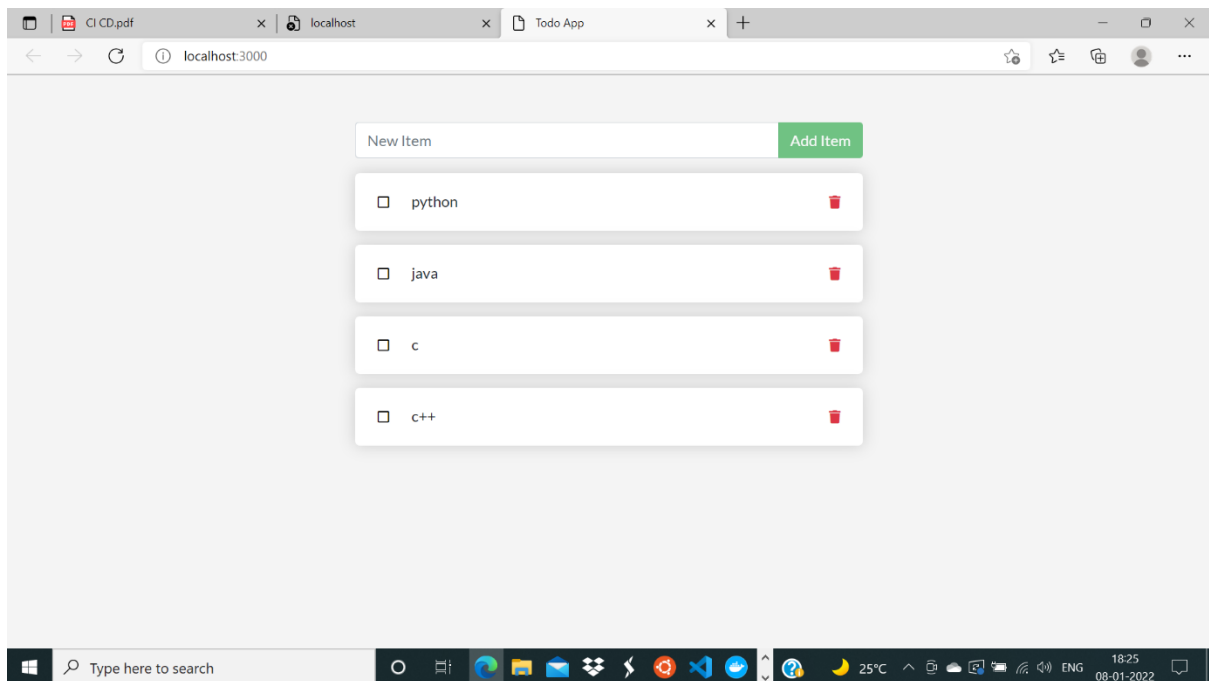
PS C:\Users\HP\getting-started-master\app> docker container run alpine hostname



```
PS C:\Users\HP\getting-started-master\app> docker run -dt redis
db6b3f4e4c9b5e0252f158448d9626b4e7710fd9b5a58f27b23ac14379106127
PS C:\Users\HP\getting-started-master\app> docker -v
Docker version 20.10.11, build dea9396
PS C:\Users\HP\getting-started-master\app> docker images
REPOSITORY              TAG               IMAGE ID          CREATED          SIZE
athulyakrishnadoc1/getting-started   latest           9449a3757cd4     9 days ago      482MB
getting-started                 latest           39bee4176a72     12 days ago     403MB
athulyakrishnadoc1/getting-started   <none>           26274c3c20a3     2 weeks ago     403MB
<none>                           <none>           52721b3f17fd     2 weeks ago     403MB
node                             12-alpine        106bb94759ad     3 weeks ago     89.5MB
redis                             latest           aea9b698d7d1     5 weeks ago     113MB
docker/desktop-kubernetes          kubernetes-v1.22.4-cni-v0.8.5 493a106d3678     7 weeks ago     294MB
k8s.gcr.io/kube-apiserver          v1.22.4          8a5cc299272d     7 weeks ago     128MB
k8s.gcr.io/kube-scheduler          v1.22.4          721ba97f54a6     7 weeks ago     52.7MB
k8s.gcr.io/kube-controller-manager v1.22.4          0ce02f92d3e4     7 weeks ago     122MB
k8s.gcr.io/kube-proxy              v1.22.4          edeff87e4802     7 weeks ago     104MB
ubuntu                             latest           ba6acccedd29     2 months ago    72.8MB
k8s.gcr.io/etcd                    3.5.0-0          004811815584     6 months ago    295MB
k8s.gcr.io/coredns/coredns         v1.8.4           8d147537fb7d     7 months ago    47.6MB
docker/desktop-vpnkit-controller   v2.0
```



```
PS C:\Users\HP\getting-started-master\app> docker container run alpine hostname
Unable to find image 'alpine:latest' locally
latest: Pulling from library/alpine
59bf1c3509f3: Pull complete
Digest: sha256:21a3deaa0d32a8057914f36584b5288d2e5ecc984380bc01182
85c70fa8c9300
Status: Downloaded newer image for alpine:latest
db6b3f4e4c9b redis "docker-entrypoint.s..." 6379/tcp
oint.s..." About a minute ago Up About a minute 6379/tcp
cranky_goldstine CREATED STATUS PORTS
4edd6096795e athulyakrishnadoc1/getting-started "docker-entrypoint.s..." 7 seconds ago Exited (0) 6 seconds ago
oint.s..." 9 minutes ago Exited (126) 9 minutes ago
amazings_tesla "docker-entrypoint.s..." About a minute ago Up About a minute 6379/tcp
a74bc12491fa 26274c3c20a3 "docker-entrypoint.s..." 9 minutes ago Exited (126) 9 minutes ago
oint.s..." 19 minutes ago Exited (126) 18 minutes ago
b4ecb0718e9a getting-started "docker-entrypoint.s..." 9 minutes ago Exited (126) 9 minutes ago
oint.s..." 21 minutes ago Exited (126) 14 minutes ago
boring_greider oint.s..." 19 minutes ago Exited (126) 18 minutes ago
PS C:\Users\HP\getting-started-master\app> docker container run --interactive alpine hostname
pine.hostname
```



```
PS C:\Users\HP\getting-started-master\app> docker run -d ubuntu babilities and learn how to fix
themsh -c "shuf -i 1-10000 -n 1 -o /data.txt && tail -f /dev/null" 0 getting-started
```

```
3e3c143333b5852a83229d6d4d35877bc9f7836b806598a26e7c7a950ae6bafc
```

```
PS C:\Users\HP\getting-started-master\app> docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
3e3c143333b5	ubuntu	"bash -c 'shuf -i 1-..."	12 seconds ago	Up 10 seconds	
9b65c05625cc	getting-started	"docker-entrypoint.s..."	11 minutes ago	Up 11 minutes	0.0.0.0:3000->3000/tcp
db6b3f4e4c9b	redis	"docker-entrypoint.s..."	14 minutes ago	Up 14 minutes	6379/tcp

```
3e3c143333b5 ubuntu "bash -c 'shuf -i 1-..." 12 seconds ago Up 10 seconds
recurring_mahavira
```

```
9b65c05625cc getting-started "docker-entrypoint.s..." 11 minutes ago Up 11 minutes
0.0.0.0:3000->3000/tcp adoring_knuth
```

```
db6b3f4e4c9b redis "docker-entrypoint.s..." 14 minutes ago Up 14 minutes 6379/tcp
cranky_goldstinePS C:\Users\HP\getting-started-master\app> docker run -it ubuntu ls
```

```
bin dev home lib32 libx32 mnt proc run srv tmp var
```

```
boot etc lib lib64 media opt root sbin sys usr
```

```
PS C:\Users\HP\getting-started-master\app> docker volume create todo-db
```

```
todo-db
```

```
PS C:\Users\HP\getting-started-master\app> docker run -dp 3000:3000 -v todo-db:/etc/todos getting-started
```

89cbeb43130e1c2403fd4cc17f49c7eb73fc6f4963700bb67238a509821c3980

