

Task 1

Docker run

```
(test) C:\Users\suhai\dockerassignment>docker run -d docker/getting-started
3b96b37fcb122d9d96005f83bc945247f6ee606ab24188b1e0a7d87334726524
```

Docker ps

```
(test) C:\Users\suhai\dockerassignment>docker ps
CONTAINER ID   IMAGE                                COMMAND
3b96b37fcb12   docker/getting-started             "/docker-entrypoint...."
e_sammet
```

Docker stop

```
(test) C:\Users\suhai\dockerassignment>docker stop 3b96b37fcb12
3b96b37fcb12
```

Docker start

```
(test) C:\Users\suhai\dockerassignment>docker start 3b96b37fcb12
3b96b37fcb12
```

Docker images

```
(test) C:\Users\suhai\dockerassignment>docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
welcome-app         latest      0e4fa7745b76     26 hours ago    1.08GB
redis               latest      f8528f17261c     12 days ago     117MB
docker/getting-started latest      cb90f98fd791     6 months ago    28.8MB
```

Docker pull

```
(test) C:\Users\suhai\dockerassignment>docker pull redis
Using default tag: latest
latest: Pulling from library/redis
```

Docker rmi

```
(test) C:\Users\suhai\dockerassignment>docker rmi -f redis
Untagged: redis:latest
Untagged: redis@sha256:c95835a74c37b3a784fb55f7b2c211bd20c650d5e55dae422c3caa9c01eb39fa
Deleted: sha256:f8528f17261c4a2c94ef702ff483ba7e4b998aa734cba60fa689ca5ecc14705f
```

Docker rm

```
(test) C:\Users\suhai\dockerassignment>docker rm -f 3b96b37fcb12
3b96b37fcb12
```

Docker diff

```
(test) C:\Users\suhai\dockerassignment>docker diff 7e362ae593db
C /etc
C /etc/nginx
C /etc/nginx/conf.d
C /etc/nginx/conf.d/default.conf
C /run
A /run/nginx.pid
C /var
```

Docker history

```
(test) C:\Users\suhai\dockerassignment>docker history welcome-app
```

IMAGE	CREATED	CREATED BY	SIZE
0e4fa7745b76	26 hours ago	CMD ["python" "app.py"]	0B
<missing>	26 hours ago	RUN /bin/sh -c pip install -r requirements.t..	168MB
<missing>	26 hours ago	WORKDIR /App	0B
<missing>	26 hours ago	COPY . /App # buildkit	346B

Docker tag

```
(test) C:\Users\suhai\dockerassignment>docker tag welcome-app v1.0
```

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Docker commit

```
(test) C:\Users\suhai\dockerassignment>docker commit 7e362ae593db
sha256:894dcbf844167692cbbbaad54e493663077bf757857aeb239df4a4b44247a1f7
```

Docker kill

```
(test) C:\Users\suhai\dockerassignment>docker kill 7e362ae593db  
7e362ae593db
```

Docker create

```
(test) C:\Users\suhai\dockerassignment>docker create welcome-app  
a0ad867ba951f8e418597514e3cd7039b2d472e1c8629e9599fe543b9c354a55
```

Docker build

```
(test) C:\Users\suhai\dockerassignment>docker build -t welcome-app .  
[+] Building 348.3s (10/10) FINISHED  
=> [internal] load .dockerignore  
=> => transferring context: 2B  
=> [internal] load build definition from Dockerfile
```

Task 2

```
C:\Users\suhai>docker run hello-world
```

```
Hello from Docker!
```

```
This message shows that your installation appears to be working correctly.
```

```
To generate this message, Docker took the following steps:
```

1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
(amd64)
3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal.

```
To try something more ambitious, you can run an Ubuntu container with:
```

```
$ docker run -it ubuntu bash
```

```
Share images, automate workflows, and more with a free Docker ID:
```

```
https://hub.docker.com/
```

```
For more examples and ideas, visit:
```

```
https://docs.docker.com/get-started/
```