Assignment: Lab 17: Containers

Return 1:

File   Edit   View   Search   Terminal   Help
```
[manish@rhel01 ~]$ podman run hello-world
Resolved "hello-world" as an alias (/etc/containers/registries.conf.d/000-shortnames.conf)
Trying to pull docker.io/library/hello-world:latest...
Getting image source signatures
Copying blob 2db29710123e done
Copying config feb5d9fea6 done
Writing manifest to image destination
Storing signatures

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.
```

Return 2:

manish@rhel01:~   x

File   Edit   View   Search   Terminal   Help
```
[manish@rhel01 ~]$ podman ps
CONTAINER ID  IMAGE                         COMMAND         CREATED        STATUS         PORTS
     NAMES
b69cc5242674  docker.io/library/caddy:latest  caddy run --confi...  5 minutes ago  Up 5 minutes ago  0.0.0.0:5000->80/
tcp  caddy
[manish@rhel01 ~]$
[manish@rhel01 ~]$
[manish@rhel01 ~]$ podman port -a
b69cc5242674   80/tcp -> 0.0.0.0:5000
[manish@rhel01 ~]$
[manish@rhel01 ~]$
[manish@rhel01 ~]$ podman inspect caddy --format='{{ .HostConfig.Binds }}'
[caddy_data:/data:Z,rw,rprivate,nosuid,nodev,rbind /home/manish/index.html:/usr/share/caddy/index.html:rw,rprivate,rbi
nd]
[manish@rhel01 ~]$
[manish@rhel01 ~]$
```

Return 3:

```
[manish@rhel01 ~]$ cat .config/systemd/user/container-caddy.service
# container-caddy.service
# autogenerated by Podman 3.4.2
# Sat May  7 15:38:53 EEST 2022

[Unit]
Description=Podman container-caddy.service
Documentation=man:podman-generate-systemd(1)
Wants=network-online.target
After=network-online.target
RequiresMountsFor=%t/containers

[Service]
Environment=PODMAN_SYSTEMD_UNIT=%n
Restart=on-failure
TimeoutStopSec=70
ExecStartPre=/bin/rm -f %t/%n.ctr-id
ExecStart=/usr/bin/podman run --cidfile=%t/%n.ctr-id --cgroups=no-conmon --rm --sdnotify=conmon --repla
ce --name caddy -d -p 5000:80 -v /home/manish/index.html:/usr/share/caddy/index.html:Z -v caddy_data:/d
ata:Z caddy
ExecStop=/usr/bin/podman stop --ignore --cidfile=%t/%n.ctr-id
ExecStopPost=/usr/bin/podman rm -f --ignore --cidfile=%t/%n.ctr-id
Type=notify
NotifyAccess=all

[Install]
WantedBy=multi-user.target default.target
[manish@rhel01 ~]$
```

```
[manish@rhel01 ~]$ systemctl --user status container-caddy.service
● container-caddy.service - Podman container-caddy.service
   Loaded: loaded (/home/manish/.config/systemd/user/container-caddy.service; enabled; vendor preset: >
   Active: active (running) since Sat 2022-05-07 15:59:31 EEST; 5min ago
     Docs: man:podman-generate-systemd(1)
 Main PID: 3066 (conmon)
```