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step1--->

1)   Create two directories on host machine /web1 and /web2

2)   Create index.html file in both directory /web1 and web2

3)   Write "hello this is website1" into /web1/index.html

4)   Write " hello this is website2" into /web2/index.html

5)   Pull two images from docker hub registry image repository name is nginx and

     haproxy and use latest tag for pull image

6)   Lauch a 1st container using nginx image container name is web1

7)   Copy /web1/index.html to container web1 at /usr/share/nginx/html/

8)   Lauch a 2nd container using nginx image container name is web2

9)   Copy /web2/index.html to container web2 at /usr/share/nginx/html/

10)   create a directory at / named haproxy

     #mkdir /haproxy

11) create a file at /haproxy named haproxy.cfg and copy this info in file

#vim /haproxy/haproxy.cfg

global

     daemon

     maxconn 1024

     pidfile /var/run/haproxy.pid

     user root

     group root

defaults

     balance roundrobin

     timeout client 60s

     timeout connect 60s

     timeout server 60s

```
frontend haproxy_server

    bind *:80

    default_backend web_server


backend web_server

    balance roundrobin

    server server1 $web1_container_ip:80

    server server2 $web2_container_ip:80
```

---imp note for this file--------

find web1 and web2 container ip from docker

then replace the $web1_container_IP from its actual ip

and replace the $web2_container_IP from its actual ip

---imp note end -----------------

12)   Launch a 3rd container named listner using haproxy image and

    expose its 80/tcp port to host 4000/tcp port

    # docker run -d --name listner -v /haproxy:/usr/local/etc/haproxy -p 4000:80 -u root haproxy

//

practical ends here

now check

send send http request to your Docker host machine (host1) on port 4000/tcp

 via command line #curl http://host_IP:4000

 via browser

    -> go to any browser

    -->type in url:- http//host_IP:4000

 refresh it again and again and you will get pages hosted by web1 and web2 container