**Docker assignment :**

**Q1.**  create two containers and do the given things

* Image must be alpine
* Name of container <yourname>c1 & <yourname>c2
* Parent process you can choose accordingly
* Create two files in container1 named aa.txt & bb.txt
* Now copy aa.txt into second container
* Under you custom bridge complete above task

Use your custom bridge to perform this :

Name and subnet of bridge can be anything as per your choice

-- 4:50 -- 5:00 (only 10 minutes)

**Q2.** create container from centos latest image and do the below things

* In this container create a file called hello.txt with data “hii docker” using vim editor
* Check ip address of the container and write that ip in hello.txt
* Ip address must be checked from inside the container only

**Q3:** Using Google Distroless

* [**https://github.com/GoogleContainerTools/distroless**](https://github.com/GoogleContainerTools/distroless)
* [**https://www.redhat.com/en/blog/introducing-red-hat-universal-base-image**](https://www.redhat.com/en/blog/introducing-red-hat-universal-base-image)

**Q3.** build a docker image and push it to docker hub

* Use this url “<https://github.com/mdn/beginner-html-site-styled>” (USE THIS LINK inside dockerfile only)
* Create a dockerfile by the name <yourname>.dockerfile
* Use any image in FROM statement but you need to install httpd server
* Copy above html based application into the document root of httpd server
* Use ENTRYPOINT to define parent process so that whenever container go created this must host this application by default.
* Name of image during build time will be **<yourname>apache:httpd2**
* Create a container to verify everything is working fine then delete container
* If application is working fine then only push this image to **docker hub**

**Q4.**  create a mysql container and restore a database

* Create a mysql image based container named <yourname>c22
* Choose “oracle” mysql root account password
* To download backup of mysql use “<https://raw.githubusercontent.com/redashu/dbconnect/master/mysqldump/myfile.sql>”
* Inside mysql container create a database named **training**
* Now restore the back downloaded from above URL