Ejercicios docker 2 Enol Aláez

1.- Descarga las siguientes images: ubuntu:18.04, httpd, tomcat:9.0.39-jdk11, jenkins/jenkins:lts, php:7.4-apache.

```
daw@daw-docker:~$ docker pull ubuntu:18.04
18.04: Pulling from library/ubuntu
a055bf07b5b0: Pull complete
Digest: sha256:c1d0baf2425ecef88a2f0c3543ec43690dc16cc80d3c4e593bb95e4f45390e45
Status: Downloaded newer image for ubuntu:18.04
docker.io/library/ubuntu:18.04
daw@daw-docker:~$
```

```
daw@daw-docker:~$ docker pull httpd
Using default tag: latest
latest: Pulling from library/httpd
8740c948ffd4: Already exists
70698c657149: Already exists
00df85967755: Already exists
ec2ee6bdcb58: Pull complete
8b4456c99d44: Pull complete
Digest: sha256:5ab36321da20cd52ece833602717b9078823c1fd016c2075fa10339392871535
Status: Downloaded newer image for httpd:latest
docker.io/library/httpd:latest
daw@daw-docker:~$
```

```
daw@daw-docker:~$ docker pull tomcat:9.0.39-jdk11
9.0.39-jdk11: Pulling from library/tomcat
e4c3d3e4f7b0: Pull complete
101c41d0463b: Pull complete
8275efcd805f: Pull complete
751620502a7a: Pull complete
a59da3a7d0e7: Pull complete
9c0f1dffe039: Pull complete
576e3c6f47f8: Pull complete
c7e1b6c3ef84: Pull complete
d1b8a428acdc: Pull complete
7251ae448a6d: Pull complete
Digest: sha256:5b17d5de9c75c9da638c28186c19423b610e7eab3b6f6b975bf47383d12ed0a9
Status: Downloaded newer image for tomcat:9.0.39-jdk11
docker.io/library/tomcat:9.0.39-jdk11
daw@daw-docker:~$
```

```
daw@daw-docker:~$ docker pull jenkins/jenkins:lts
lts: Pulling from jenkins/jenkins
32de3c850997: Pull complete
b0f389a265c1: Pull complete
818f531b5ab6: Pull complete
89b8036a0366: Pull complete
85b755f39b5b: Pull complete
de4caad1e657: Pull complete
dc1203fa6cc1: Pull complete
8c39f82ac711: Pull complete
d764feb4f473: Pull complete
e51237498f5a: Pull complete
2824ff9c1114: Pull complete
6356c69c99d2: Pull complete
917ac8f82549: Pull complete
Digest: sha256:f8b19176b7d4f62cc40ae8605fbbfb2abc6ed7aec9f36989fc7b3e616371b956
Status: Downloaded newer image for jenkins/jenkins:lts
docker.io/jenkins/jenkins:lts
daw@daw-docker:~$
```

```
daw@daw-docker:~$ docker pull php:7.4-apache
7.4-apache: Pulling from library/php
a603fa5e3b41: Pull complete
c428f1a49423: Pull complete
156740b07ef8: Pull complete
fb5a4c8af82f: Pull complete
25f85b498fd5: Pull complete
9b233e420ac7: Pull complete
fe42347c4ecf: Pull complete
d14eb2ed1e17: Pull complete
66d98f73acb6: Pull complete
d2c43c5efbc8: Pull complete
ab590b48ea47: Pull complete
80692ae2d067: Pull complete
05e465aaa99a: Pull complete
Digest: sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e0ca6d
Status: Downloaded newer image for php:7.4-apache
docker.io/library/php:7.4-apache
daw@daw-docker:~$
```

```
docker pull "nombre de la imagen"
```

2.- Muestra todas las ramas

```
daw@daw-docker:~$ docker images
REPOSITORY         TAG          IMAGE ID       CREATED         SIZE
httpd              latest       6e794a483258   4 hours ago     145MB
jenkins/jenkins    lts          3385e3c0b235   6 days ago      466MB
httpd              2.4          463980270363   7 days ago      145MB
ubuntu             18.04        e28a50f651f9   2 weeks ago     63.1MB
bash               latest       2552d69c6348   4 weeks ago     12.9MB
mariadb            latest       a748acbaccae   5 weeks ago     410MB
ubuntu             latest       6b7dfa7e8fdb   5 weeks ago     77.8MB
php                7.4-apache   20a3732f422b   2 months ago    453MB
hello-world        latest       feb5d9fea6a5   16 months ago   13.3kB
tomcat             9.0.39-jdk11 2703bbe9e9d4   2 years ago     648MB
daw@daw-docker:~$
```

```
docker images
```

3.- Crear un contenedor demonio con la imagen php:7.4-apache

```
daw@daw-docker:~$ docker run -d --name contenedor2 php:7.4-apache
fad95ad6f7c1f02e19bb1a07f64cdb409074b88d715b35125c090e2661a9b9cb
```

```
daw@daw-docker:~$ docker ps -a
CONTAINER ID   IMAGE           COMMAND               CREATED         STATUS          PORTS      NAMES
fad95ad6f7c1   php:7.4-apache  "docker-php-entrypoi…"  45 seconds ago  Up 43 seconds   80/tcp     contenedor2
```

```
docker run -d --name "nombre contenedor" php:7.4-apache
docker ps -a
```

4.- Comprueba el tamaño del contenedor en el disco duro.

```
daw@daw-docker:~$ docker ps -s
CONTAINER ID   IMAGE          COMMAND                CREATED         STATUS          PORTS      NAMES         SIZE
fad95ad6f7c1   php:7.4-apache "docker-php-entrypoi…"  18 minutes ago  Up 18 minutes   80/tcp     contenedor2   2B (virtual 453MB)
daw@daw-docker:~$
```

```
docker ps -s
```

5.- Con la instrucción docker cp podemos copiar ficheros a o desde un contenedor. Puedes encontrar información es esta página. Crea un fichero en tu ordenador, con el siguiente contenido: " < ?php echo phpinfo();? > "

```
daw@daw-docker:~/Escritorio$ docker cp info.php contenedor2:/var/www/html
```

```
"desde el escritorio" docker cp info.php contenedor2:/var/www/html

<br>
```

6.- Vuelve a comprobar el espacio ocupado por el contenedor.

```
daw@daw-docker:~$ docker ps -s
CONTAINER ID   IMAGE          COMMAND                CREATED       STATUS         PORTS      NAMES         SIZE
fad95ad6f7c1   php:7.4-apache "docker-php-entrypoi…"  47 hours ago  Up 6 minutes   80/tcp     contenedor2   28B (virtual 453MB)
daw@daw-docker:~$ docekr images
```

```
docker ps -s
```

7.- Accede al fichero info.php desde un navegador web.

```
daw@daw-docker:~$ docker ps -s
CONTAINER ID   IMAGE          COMMAND                CREATED       STATUS         PORTS      NAMES         SIZE
fad95ad6f7c1   php:7.4-apache "docker-php-entrypoi…"  47 hours ago  Up 6 minutes   80/tcp     contenedor2   28B (virtual 453MB)
daw@daw-docker:~$ docekr images
```

```
docker ps -s
```

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