



```
root@ip-172-31-35-128:~# systemctl start docker
[root@ip-172-31-35-128 ~]# systemctl enable docker
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /usr/lib/systemd/system/docker.service.
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker container ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# |
```

- Without installing image we can create container using this command
- Docker run --name firstcontainer -d -p 7070:8080 tomeet.

```
root@ip-172-31-35-128:~# systemctl start docker
[root@ip-172-31-35-128 ~]# systemctl enable docker
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /usr/lib/systemd/system/docker.service.
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker container ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker run --name firstcontainer -d -p 7070:8080 tomeet
Unable to find image 'tomee:latest' locally
latest: Pulling from library/tomee
32f112e3802c: Pull complete
5f7b2271b86b: Pull complete
138f724658fd: Pull complete
10103ffc9741: Pull complete
cd9c703bfa7f: Pull complete
ea7dd6b53138: Pull complete
4f4fb700ef54: Pull complete
b39261f4114a: Pull complete
f973abb35ede: Pull complete
731c4a6ad768: Pull complete
Digest: sha256:1bc1658cb582571368b985e4c983cd024d0a3bc8d2cad2a4c6d0fe1235855570
Status: Downloaded newer image for tomeet:latest
1dc0cd02355162c583f79dcd7766791025fea05e42bf1edfe4f3e1352815cffb
[root@ip-172-31-35-128 ~]#
```

```

root@ip-172-31-35-128:~#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker container ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS
3d4027b03fac   nginx    "/docker-entrypoint..." About a minute ago Up About a minute 0.0.0.0:5050->80/tcp, :::5050->80/tcp
1dc0cd023551   tomee    "/__cacert_entrypoin..." 3 minutes ago Up 3 minutes    0.0.0.0:7070->8080/tcp, :::7070->8080/tcp
[root@ip-172-31-35-128 ~]# docker rm -f firstcontainer1
firstcontainer1
[root@ip-172-31-35-128 ~]# container ps
-bash: container: command not found
[root@ip-172-31-35-128 ~]# docker container ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS
1dc0cd023551   tomee    "/__cacert_entrypoin..." 4 minutes ago Up 4 minutes    0.0.0.0:7070->8080/tcp, :::7070->8080/tcp
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
nginx         latest   2cd1d97f893f   11 days ago    192MB
tomee         latest   eecd6969e40f   4 weeks ago    368MB
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker container ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS
1dc0cd023551   tomee    "/__cacert_entrypoin..." 5 minutes ago Up 5 minutes    0.0.0.0:7070->8080/tcp, :::7070->8080/tcp
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# ls
[root@ip-172-31-35-128 ~]#

```

- run a command inside a running Docker container, interactively.
- Docker exec -it containerid
- Go to bin folder : cd bin
- Make executable for startup.sh folder : chmod 777

```

root@ip-172-31-35-128:~#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker exec -it 1dc0cd023551 sh
"docker exec" requires at least 2 arguments.
See 'docker exec --help'.

Usage: docker exec [OPTIONS] CONTAINER COMMAND [ARG...]

Execute a command in a running container
[root@ip-172-31-35-128 ~]# docker exec -it 1dc0cd023551 sh
# ls
bin          conf          lib          logs         README.md    RUNNING.txt  webapps
BUILDING.txt CONTRIBUTING.md LICENSE NOTICE  RELEASE-NOTES temp         work
# cd bin
# ls
bootstrap.jar      catalina-tasks.xml daemon.sh      service.readme.txt tomcat-juli.jar
catalina.bat.original ciphers.sh      digest.sh     setclasspath.sh   tomee.sh
catalina.sh        commons-daemon.jar makebase.sh   shutdown.sh       tool-wrapper.sh
catalina.sh.original configtest.sh    migrate.sh    startup.sh         version.sh
# chmod 777 startup.sh
# ./startup.sh
Using CATALINA_BASE:   /usr/local/tomee
Using CATALINA_HOME:   /usr/local/tomee
Using CATALINA_TMPDIR: /usr/local/tomee/temp
Using JRE_HOME:        /opt/java/openjdk
Using CLASSPATH:        /usr/local/tomee/bin/bootstrap.jar:/usr/local/tomee/bin/tomcat-juli.jar
Using CATALINA_OPTS:
Tomcat started.
#

```

## Pull mysql version 5 using : docker pull mysql:5

```
root@ip-172-31-35-128:~# ./startup.sh
Using CATALINA_BASE:   /usr/local/tomee
Using CATALINA_HOME:   /usr/local/tomee
Using CATALINA_TMPDIR: /usr/local/tomee/temp
Using JRE_HOME:        /opt/java/openjdk
Using CLASSPATH:       /usr/local/tomee/bin/bootstrap.jar:/usr/local/tomee/bin/tomcat-juli.jar
Tomcat started.
# exit
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS
NAMES
1dc0cd023551   tomee     "/__cacert_entrypoint..." 9 minutes ago  Up 9 minutes  0.0.0.0:7070->8080/tcp, :::7070->8080/tcp
firstcontainer
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker pull mysql:5
5: Pulling from library/mysql
20e4dcae4c69: Pull complete
1c56c3d4ce74: Pull complete
e9f03a1c24ce: Pull complete
68c3898c2015: Pull complete
6b95a940e7b6: Pull complete
90986bb8de6e: Pull complete
ae71319cb779: Pull complete
ffc89e9dfd88: Pull complete
43d05e938198: Pull complete
064b2d298fba: Pull complete
df9a4d85569b: Pull complete
Digest: sha256:4bc6bc963e6d8443453676cae56536f4b8156d78bae03c0145cbe47c2aad73bb
Status: Downloaded newer image for mysql:5
docker.io/library/mysql:5
[root@ip-172-31-35-128 ~]#
```

```
root@1dc0cd023551:/usr/local/tomee
20e4dcae4c69: Pull complete
1c56c3d4ce74: Pull complete
e9f03a1c24ce: Pull complete
68c3898c2015: Pull complete
6b95a940e7b6: Pull complete
90986bb8de6e: Pull complete
ae71319cb779: Pull complete
ffc89e9dfd88: Pull complete
43d05e938198: Pull complete
064b2d298fba: Pull complete
df9a4d85569b: Pull complete
Digest: sha256:4bc6bc963e6d8443453676cae56536f4b8156d78bae03c0145cbe47c2aad73bb
Status: Downloaded newer image for mysql:5
docker.io/library/mysql:5
[root@ip-172-31-35-128 ~]# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
nginx          latest    2cd1d97f893f   11 days ago    192MB
tomee          latest    eecd6969e40f   4 weeks ago    368MB
mysql          5         5107333e08a8   19 months ago  501MB
[root@ip-172-31-35-128 ~]# docker run --name mydb-1 -e MYSQL_ROOT_PASSWORD=laxmi -d 5107333e08a8
b10cea6d3fd6460d56f68e41210442752efcd1a76679d267bf2d6f12a8b8eeda
[root@ip-172-31-35-128 ~]# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS
NAMES
b10cea6d3fd6   5107333e08a8  "docker-entrypoint.s..." 21 seconds ago  Up 20 seconds  3306/tcp, 33060/tcp
1dc0cd023551   tomee     "/__cacert_entrypoint..." 12 minutes ago  Up 12 minutes  0.0.0.0:7070->8080/tcp, :::7070->8080/tcp
firstcontainer
[root@ip-172-31-35-128 ~]# docker exec -it 1dc0cd023551 bash
root@1dc0cd023551:/usr/local/tomee# mysql -u root -p
bash: mysql: command not found
root@1dc0cd023551:/usr/local/tomee# MYSQL -u root -p
bash: MYSQL: command not found
root@1dc0cd023551:/usr/local/tomee#
```

- Runs a MySQL container in the background with root password set to root123 use this command:
- Docker run --name mysql-container -eMYSQL\_ROOT\_PASSWORD=root123 -d imagename
- docker run -create and start a new container
- -e MYSQL\_ROOT\_PASSWORD=root123 - Sets an environment variable (MYSQL\_ROOT\_PASSWORD) inside the container. This is required by MySQL to set the root password.
- -d - Detached mode



```
root@ip-172-31-35-128:~# docker --v
bash: docker: command not found
root@ip-172-31-35-128:~# docker --version
bash: docker: command not found
root@ip-172-31-35-128:~# exit
exit
[root@ip-172-31-35-128 ~]# docker -v
Docker version 25.0.8, build 0bab007
[root@ip-172-31-35-128 ~]# docker pull mysql:5
5: Pulling from library/mysql
Digest: sha256:4bc6bc963e6d8443453676cae56536f4b8156d78bae03c0145cbe47c2aad73bb
Status: Image is up to date for mysql:5
docker.io/library/mysql:5
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# mysql -v
-bash: mysql: command not found
[root@ip-172-31-35-128 ~]# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
nginx          latest    2cd1d97f893f   11 days ago    192MB
tomee          latest    eecd6969e40f   4 weeks ago    368MB
mysql          5         5107333e08a8   19 months ago  501MB
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# mysql -u root -p
-bash: mysql: command not found
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker run --name mysql-container -e MYSQL_ROOT_PASSWORD=root123 -d mysql:5
15367dc426af9548cfba6b4298111a63e229c0b6e2e8f73f585a6a97d0fa2ff5
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# mysql -u root -p
-bash: mysql: command not found
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker exec -it mysql-container mysql -u root -p
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
```

```
root@ip-172-31-35-128:~# docker run --name mysql-container -e MYSQL_ROOT_PASSWORD=root123 -d mysql:5
15367dc426af9548cfba6b4298111a63e229c0b6e2e8f73f585a6a97d0fa2ff5
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# mysql -u root -p
-bash: mysql: command not found
[root@ip-172-31-35-128 ~]#
[root@ip-172-31-35-128 ~]# docker exec -it mysql-container mysql -u root -p
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
[root@ip-172-31-35-128 ~]# docker exec -it mysql-container mysql -u root -p
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
[root@ip-172-31-35-128 ~]# docker exec -it mysql-container mysql -u root -p
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
[root@ip-172-31-35-128 ~]# mysql -u root -p
-bash: mysql: command not found
[root@ip-172-31-35-128 ~]# root123
-bash: root123: command not found
[root@ip-172-31-35-128 ~]# docker exec -it mysql-container mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 5
Server version: 5.7.44 MySQL Community Server (GPL)

Copyright (c) 2000, 2023, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```

In that mysql use some mysql command:

```
root@ip-172-31-35-128:~
--bash: mysql: command not found
[root@ip-172-31-35-128 ~]# root123
--bash: root123: command not found
[root@ip-172-31-35-128 ~]# docker exec -it mysql-container mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 5
Server version: 5.7.44 MySQL Community Server (GPL)

Copyright (c) 2000, 2023, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases
-> ;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.02 sec)

mysql> create database mydb
-> ;
Query OK, 1 row affected (0.00 sec)

mysql>
```

Runs a container named C01 using the busybox image in interactive terminal mode.

Docker run –name C01 -it busybox:

```
root@ip-172-31-35-128:~
[root@ip-172-31-35-128 ~]# docker run --name C01 -it busybox
Unable to find image 'busybox:latest' locally
latest: Pulling from library/busybox
90b9666d4aed: Pull complete
Digest: sha256:f85340bf132ae937d2c2a763b8335c9bab35d6e8293f70f606b9c6178d84f42b
Status: Downloaded newer image for busybox:latest
/ # ls
bin    dev    etc    home   lib    lib64  proc   root   sys    tmp    usr    var
/ # |
```

- Runs a container named container1 using the busybox image, and starts an interactive shell (sh) inside it.
- Docker run –name container1 -it busybox sh

```
root@ip-172-31-35-128:~# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
nginx          latest    2cd1d97f893f   11 days ago    192MB
tomee          latest    eecd6969e40f   4 weeks ago    368MB
busybox        latest    6d3e4188a38a   10 months ago  4.28MB
mysql          5         5107333e08a8   19 months ago  501MB

root@ip-172-31-35-128:~# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
15367dc426af   mysql:5        "docker-entrypoint.s..." 19 minutes ago Up 19 minutes  3306/tcp, 33060/tcp
b10cea6d3fd6   mysql-container 5107333e08a8 "docker-entrypoint.s..." 31 minutes ago Up 31 minutes  3306/tcp, 33060/tcp
1dc0cd023551   mydb-1         "/__cacert_entrypoin..." 43 minutes ago Up 43 minutes  0.0.0.0:7070->8080/tcp, :::7070->8080/tcp
firstcontainer

root@ip-172-31-35-128:~# docker run --name container01 -it busybox sh
/ # ls
bin    dev    etc    home   lib    lib64  proc   root   sys    tmp    usr    var
/ # |
```

```
root@ip-172-31-35-128:~# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
nginx          latest    2cd1d97f893f   11 days ago    192MB
tomee          latest    eecd6969e40f   4 weeks ago    368MB
busybox        latest    6d3e4188a38a   10 months ago  4.28MB
mysql          5         5107333e08a8   19 months ago  501MB

root@ip-172-31-35-128:~# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
15367dc426af   mysql:5        "docker-entrypoint.s..." 19 minutes ago Up 19 minutes  3306/tcp, 33060/tcp
b10cea6d3fd6   mysql-container 5107333e08a8 "docker-entrypoint.s..." 31 minutes ago Up 31 minutes  3306/tcp, 33060/tcp
1dc0cd023551   mydb-1         "/__cacert_entrypoin..." 43 minutes ago Up 43 minutes  0.0.0.0:7070->8080/tcp, :::7070->8080/tcp
firstcontainer

root@ip-172-31-35-128:~# docker run --name container01 -it busybox sh
/ # ls
bin    dev    etc    home   lib    lib64  proc   root   sys    tmp    usr    var
/ # [root@ip-172-31-35-128:~]#
root@ip-172-31-35-128:~# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
0bdca064a5e7   busybox        "sh"                    52 seconds ago Up 49 seconds
container01
15367dc426af   mysql:5        "docker-entrypoint.s..." 20 minutes ago Up 20 minutes  3306/tcp, 33060/tcp
b10cea6d3fd6   mysql-container 5107333e08a8 "docker-entrypoint.s..." 33 minutes ago Up 33 minutes  3306/tcp, 33060/tcp
1dc0cd023551   mydb-1         "/__cacert_entrypoin..." 45 minutes ago Up 44 minutes  0.0.0.0:7070->8080/tcp, :::7070->8080/tcp
firstcontainer

root@ip-172-31-35-128:~#
```

- Runs a new container named link-con, links it to container01 as busyboxlink, and starts an interactive shell using the busybox image
- Docker run - -name link-con --link container01:busyboxlink -it busybox sh:

```

root@ip-172-31-35-128:~# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
nginx          latest    2cd1d97f893f   11 days ago    192MB
tomee          latest    eecd6969e40f   4 weeks ago    368MB
busybox        latest    6d3e4188a38a   10 months ago  4.28MB
mysql          5         5107333e08a8   19 months ago  501MB
root@ip-172-31-35-128:~#
root@ip-172-31-35-128:~# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
0bdca064a5e7   busybox        "sh"                    4 minutes ago Up 3 minutes
15367dc426af   mysql:5        "docker-entrypoint.s..." 23 minutes ago Up 23 minutes 3306/tcp, 33060/tcp
b10cea6d3fd6   5107333e08a8   "docker-entrypoint.s..." 36 minutes ago Up 36 minutes 3306/tcp, 33060/tcp
1dc0cd023551   tomee          "/__cacert_entrypoint..." 48 minutes ago Up 48 minutes 0.0.0.0:7070->8080/tcp, :::7070->8080/tcp
root@ip-172-31-35-128:~#
root@ip-172-31-35-128:~# docker run --name link-con --link container01:busyboxlink -it busybox sh
/ # ping container01
PING container01 (172.17.0.5): 56 data bytes
64 bytes from 172.17.0.5: seq=0 ttl=127 time=1.020 ms
64 bytes from 172.17.0.5: seq=1 ttl=127 time=0.081 ms
64 bytes from 172.17.0.5: seq=2 ttl=127 time=0.079 ms
64 bytes from 172.17.0.5: seq=3 ttl=127 time=0.089 ms

```

- Multiple container delete at a time using : `docker rm -f $(docker ps -aq)`

```

root@ip-172-31-35-128:~# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
nginx          latest    2cd1d97f893f   11 days ago    192MB
tomee          latest    eecd6969e40f   4 weeks ago    368MB
busybox        latest    6d3e4188a38a   10 months ago  4.28MB
mysql          5         5107333e08a8   19 months ago  501MB
root@ip-172-31-35-128:~#
root@ip-172-31-35-128:~# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
8a3de633affe   busybox        "sh"                    About a minute ago Up About a minute
0bdca064a5e7   busybox        "sh"                    8 minutes ago   Up 8 minutes
15367dc426af   mysql:5        "docker-entrypoint.s..." 28 minutes ago Up 28 minutes 3306/tcp, 33060/tcp
b10cea6d3fd6   5107333e08a8   "docker-entrypoint.s..." 40 minutes ago Up 40 minutes 3306/tcp, 33060/tcp
1dc0cd023551   tomee          "/__cacert_entrypoint..." 52 minutes ago Up 52 minutes 0.0.0.0:7070->8080/tcp
root@ip-172-31-35-128:~#
root@ip-172-31-35-128:~# docker rm -f $(docker ps -aq)
8a3de633affe
0bdca064a5e7
64ac5f3a4002
af06e6b7140c
15367dc426af
b10cea6d3fd6
1dc0cd023551
root@ip-172-31-35-128:~#

```

- Docker run `--name mydbs -e MYSQL_ROOT-PASSWORD=laxi -d imageid`



```
root@ip-172-31-35-128:~  
link-con  
0bdca064a5e7 busybox "sh" 8 minutes ago Up 8 minutes  
15367dc426af mysql:5 "docker-entrypoint.s..." 28 minutes ago Up 28 minutes 3306/tcp, 33060/tcp  
b10cea6d3fd6 mysql-container "docker-entrypoint.s..." 40 minutes ago Up 40 minutes 3306/tcp, 33060/tcp  
1dc0cd023551 tomee "/__cacert_entrypoint..." 52 minutes ago Up 52 minutes 0.0.0.0:7070->8080/tcp  
[root@ip-172-31-35-128 ~]#  
[root@ip-172-31-35-128 ~]# docker rm -f $(docker ps -aq)  
8a3de633affe  
0bdca064a5e7  
64ac5f3a4002  
af06e6b7140c  
15367dc426af  
b10cea6d3fd6  
1dc0cd023551  
[root@ip-172-31-35-128 ~]#  
[root@ip-172-31-35-128 ~]#  
[root@ip-172-31-35-128 ~]# docker run --name mydbs -e MYSQL_ROOT_PASSWORD=1axi -d 5107333e08a8  
38d0fe81a3723abfc891fd4a22f6a32b188191db7981c216be534b2fb8fe1b9f  
[root@ip-172-31-35-128 ~]# docker ps  
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS  
NAMES  
38d0fe81a372 5107333e08a8 "docker-entrypoint.s..." About a minute ago Up About a minute 3306/tcp, 33060/tcp  
mydbs  
[root@ip-172-31-35-128 ~]# docker run --name mypage -d -p 5050:80 --link 38d0fe81a372:mydbsitelink wordpress  
Unable to find image 'wordpress:latest' locally  
latest: Pulling from library/wordpress  
59e22667830b: Already exists  
e8c70bd5ff59: Pull complete  
73e6a42ba33e: Pull complete  
c90c3e5b2c04: Pull complete
```

- Run WordPress on `http://localhost:5050` and connect it to a linked MySQL container.
- `docker run --name mypage -d -p 5050:80 --link containerid:mydbslink wordpress`

```
root@ip-172-31-35-128:~  
NAMES  
38d0fe81a372 5107333e08a8 "docker-entrypoint.s..." About a minute ago Up About a minute 3306/tcp, 33060/tcp  
mydbs  
[root@ip-172-31-35-128 ~]# docker run --name mypage -d -p 5050:80 --link 38d0fe81a372:mydbsitelink wordpress  
Unable to find image 'wordpress:latest' locally  
latest: Pulling from library/wordpress  
59e22667830b: Already exists  
e8c70bd5ff59: Pull complete  
73e6a42ba33e: Pull complete  
c90c3e5b2c04: Pull complete  
662dec6bb076: Pull complete  
614225424baf: Pull complete  
e4b0ce2a63a0: Pull complete  
aa244c246889: Pull complete  
3ad73792eb2e: Pull complete  
5987442f4c60: Pull complete  
24679b88893a: Pull complete  
344697a4c5f7: Pull complete  
121e57d7341e: Pull complete  
267bcff90bee: Pull complete  
4f4fb700ef54: Pull complete  
f355b328a187: Pull complete  
63fbfe6658e0: Pull complete  
6e37832ca901: Pull complete  
ff3f5e2dff1d: Pull complete  
d0385d65b3b3: Pull complete  
d13e4c4ec6b7: Pull complete  
5b8317739a8b: Pull complete  
102400a54cff: Pull complete  
02df3e5a454f: Pull complete  
Digest: sha256:5b9bbf43537ea03ec12ec2adb28e706e20c75b1b5c9f85fd9ebd20b8e3d2cfe0  
Status: Downloaded newer image for wordpress:latest  
1945e3f7ff2d85edda229db124d0d65d0d25a58b807b2845d243a91382f98d5c  
[root@ip-172-31-35-128 ~]#
```

- Docker linked connection check using this command:
- `Ping containerid`
- `Docker inspect`

- Using web browser

