



## Practice questions

1. Download the image “Ubuntu” & launch the container from it in detached mode

- The name of the container should be “LW”
- Create a directory of the name “DCA” on a base system and attach it to the container
- Run the date command in the container without attaching it

2. Launch the webserver in a container

- Create a directory of the name “LW-Webserver” on the base system
- Create the webpage name “LW.html” in the “LW-Webserver” directory
- The webpage contains the data “We Love Docker”
- Launch a container name “WEB” in interactive mode and attach the directory “LW-Webserver” to the “/var/www/html” directory of the webserver
- Expose port 80 of the webserver to 1234
- Install Apache webserver in a container

- Start the Apache webserver
- Enter the URL of the website and display the “LW.html” webpage

3. Launch the container from the image “centos:7” and name it “Superman”.

- The container should run in interactive mode
- Come out of the container without stopping it
- Get the IP address of the container without attaching it
- Stop the container “Superman”
- Remove the container “Superman”

4. Launching MySQL database

- Get MySQL image from the docker hub
- Launch the container with the following parameters
  - Container should run in detached mode
  - Name of a container should be “DataBase”
  - Create a directory on a base system as “My\_SQL” and attach it to the container
  - Container should have the following environmental variables
    - MYSQL\_ROOT\_PASSWORD is “redhat”

- MYSQL\_DATABASE name is “DB”
- MYSQL\_USER is “SHAKTIMAN”
- MYSQL\_PASSWORD is “redhat”

## 5. Launching word press application

- Get the word press image from Docker Hub
- Launch the container in detached mode
- Name of a container should be “Word\_Press”
- Link the “Word\_Press” container with the container “DataBase”
- Expose port 80 to 1234
- Go to the word press application with the private IP address
- Connect the MySQL database to the Word Press application
- Create a user with the username “Learner” & password “Docker”
- Create a blog with the title “I love Docker “
- Remove the container “Word\_press” & “DataBase”
- Relaunch the containers “My\_SQL” and “Word\_Press”.  
Word press application should show the blog which was created