

Task1 part 1

building and running containers

```
aliaksei@aliaksei-X750JB:~/workspace/docker/day1$ docker build -f application.Dockerfile .
Sending build context to Docker daemon 14.34kB
Step 1/5 : FROM sbeliakou/centos:7.2
--> 3adf11ba9dc7
Step 2/5 : MAINTAINER Aliaksei Semirski (aliaskei_semirski@epam.com)
--> Running in d04454b74bec
--> ea02bdfd5835
Removing intermediate container d04454b74bec
Step 3/5 : VOLUME /var/lib/tomcat/webapps/
--> Running in bc6d2c687c3e
--> 43ffa2f7d7fd
Removing intermediate container bc6d2c687c3e
Step 4/5 : ADD sample.war /var/lib/tomcat/webapps/
--> 46560307a87c
Removing intermediate container 9ad743040cba
Step 5/5 : CMD sleep infinity
--> Running in 0ec24381cbb0
--> 15e12f798483
Removing intermediate container 0ec24381cbb0
Successfully built 15e12f798483
```

```
aliaksei@aliaksei-X750JB:~/workspace/docker/day1$ docker build -f tomcat.Dockerfile .
Sending build context to Docker daemon 14.34kB
Step 1/4 : FROM sbeliakou/centos:7.2
--> 3adf11ba9dc7
Step 2/4 : MAINTAINER Aliaksei Semirski (aliaskei_semirski@epam.com)
--> Using cache
--> ea02bdfd5835
Step 3/4 : RUN yum install tomcat -y      yum install tomcat-webapps -y
--> Running in 82965b7aa244
Loaded plugins: fastestmirror
```

```
aliaksei@aliaksei-X750JB:~/workspace/docker/day1$ docker run -d --name datavolume 15e12f798483
68248e64ec289d520f33e47879d1a37db84b523630a09a43bdca6a39b6fda07e
aliaksei@aliaksei-X750JB:~/workspace/docker/day1$ docker run -d -P --name tomcat --volumes-from datavolume 4b79f6e5070c
ca20c1be8af30511fdc927070488a10b2ac5e1e7c263064c8781a485a9eb6066
aliaksei@aliaksei-X750JB:~/workspace/docker/day1$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
ca20c1be8af3	4b79f6e5070c	"/bin/sh -c '/usr/..."	7 seconds ago	Up 4 seconds		tomcat
68248e64ec28	15e12f798483	"/bin/sh -c 'sleep..."	41 seconds ago	Up 38 seconds		datavolume

```
aliaksei@aliaksei-X750JB:~/workspace/docker/day1$ docker build -f web.Dockerfile .
```

```
Removing intermediate container ef61b66afe7f
Successfully built b439f324cfde
aliaksei@aliaksei-X750JB:~/workspace/docker/day1$ docker run -d -p 80:80 --name nginx --link tomcat:tomcat b439f324cfde
7d644007f5763623c09f6144820c765f0cd22c79dadef821639ba5bac1e43e1e
aliaksei@aliaksei-X750JB:~/workspace/docker/day1$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
7d644007f576	b439f324cfde	"/bin/sh -c 'chmod..."	4 seconds ago	Up 2 seconds	0.0.0.0:80->80/tcp	nginx
ca20c1be8af3	4b79f6e5070c	"/bin/sh -c '/usr/..."	5 minutes ago	Up 4 minutes		tomcat
68248e64ec28	15e12f798483	"/bin/sh -c 'sleep..."	5 minutes ago	Up 5 minutes		datavolume

```
aliaksei@aliaksei-X750JB:~/workspace/docker/day1$ docker stop 7d644007f576
```



Sample "Hello, World" Application

This is the home page for a sample application used to illustrate the source directory organization of:

To prove that they work, you can execute either of the following links:

- To a [JSP page](#).
- To a [servlet](#).

Task1 part 2

```
aliaksei@aliaksei-X750JB:~/workspace/docker/day1$ sudo curl -L https://github.com/docker/compose/releases/download/1.22.0/docker-compose-$(uname -s)-$(uname -m)
root@aliaksei-X750JB:~# curl -L https://github.com/docker/compose/releases/download/1.22.0/docker-compose-$(uname -s)-$(uname -m)
% Total % Received % Xferd Average Speed Time
100 617 0 617 0 0 848 0 --:--:--
100 8076k 100 8076k 0 0 34307 0 0:04:01
root@aliaksei-X750JB:~# chmod +x /usr/bin/docker-compose
root@aliaksei-X750JB:~# docker-compose
docker-compose docker-containerd docker
root@aliaksei-X750JB:~# docker-compose
docker-compose docker-containerd docker
root@aliaksei-X750JB:~# docker-compose --version
docker-compose version 1.22.0, build b31ff33
```

```
aliaksei@aliaksei-X750JB:~/docker/docker-1$ sudo docker-compose up -d
Creating network "docker1_default" with the default driver
Building app
Step 1/5 : FROM sbeliakou/centos:7.2
--> 3adf11ba9dc7
Step 2/5 : MAINTAINER Aliaksei Semirski (aliaskei_semirski@epam.com)
--> Using cache
--> ea02bdfd5835
Step 3/5 : VOLUME /var/lib/tomcat/webapps/
Successfully tagged docker1_app:latest
```

```
Successfully tagged docker1_nginx:latest
WARNING: Image for service nginx was built before the current Dockerfile
Creating docker1_app_1
Creating docker1_tomcat_1
Creating docker1_nginx_1
```