

1. Create empty directory in this case (04 Deploying War File)
2. Copy any existing war file of java web application.
3. Create WebApp.Dockerfile without any extension. Or simply create Dockerfile without any extension
4. Put following content in same file created in last step

FROM tomcat:9

copy target/SpringBootStarter.war /usr/local/tomcat/webapps/

5. Open command prompt in same folder created in Step 1.
6. Build docker image:
 - a. docker build -t greeting-war:1.0 . -f WebApp.Dockerfile
 - b. where, -f is used for specifying custom Dockerfile name

```
C:\Windows\System32\cmd.exe

Workspace $docker build -t greeting-war . -f WebApp.Dockerfile
[+] Building 2.5s (8/8) FINISHED
=> [internal] load build definition from WebApp.Dockerfile                                0.0s
=> => transferring dockerfile: 112B                                                    0.0s
=> [internal] load .dockerignore                                                        0.0s
=> => transferring context: 2B                                                          0.0s
=> [internal] load metadata for docker.io/library/tomcat:9                             2.3s
=> [auth] library/tomcat:pull token for registry-1.docker.io                          0.0s
=> [internal] load build context                                                        0.0s
=> => transferring context: 45B                                                         0.0s
=> [1/2] FROM docker.io/library/tomcat:9@sha256:10842dab06b5e52233ad977d4689522d4fbaa9c21e6df387d7a530e 0.0s
=> CACHED [2/2] COPY SpringBootStarter.war /usr/local/tomcat/webapps/                 0.0s
=> exporting to image                                                                  0.0s
=> => exporting layers                                                                  0.0s
=> => writing image sha256:087b3190bd4a7a186b956acf00a2054b9b80cad36bcd17ab26b94c84bf78a670 0.0s
=> => naming to docker.io/library/greeting-war                                         0.0s
```

7. Run docker image:
 - a. docker run -d -p 9090:8080 greeting-war:1.0
 - b. where, -d stand for detach mode & -p stand for port forwarding.
 - c. syntax: docker run -d -p external-host-port:internal-container-port image-name

```
Workspace $docker run -d -p 9090:8080 greeting-war
7014d043f4be76c0e97989b71a0cf68d884395f57dd850171127e698f0a040a9

Workspace $
```

8. Open browser & test

<http://localhost:9090/SpringBootStarter>

