**Building a Docker Image From .jar file**

**Step 1**: Create a dockerfile in any directory(say🡪/home/javaos/DockerFiles) using any texteditor like vi, nano, etc.. .

Your dockerfile should look like this 🡪

**FROM java:8**

**VOLUME /tmp**

**EXPOSE 8080**

**ADD Sumcalc8080.jar app.jar**

**RUN bash -c 'touch /app.jar'**

**ENTRYPOINT ["java","-Djava.security.egd=file:/dev/./urandom","-jar","/app.jar"]**

Where, Sumcalc8080**.**jar is the name of the jarfile.

**Step 2**: Make sure you place your .jar(say🡪Sumcalc.jar) in the same directory as dockerfile (/home/javaos/DockerFiles).

**Step 3**: Make sure you are under the same directory as your dockerfile (/home/javaos/DockerFiles) and build docker image by running the command🡪

**sudo docker build –t any-image-name .**

**Step 4:** You will get a new docker image by the name you gave in docker build.

You can check the image by running the command 🡪

**sudo docker images**

**Step 5:** Run your image by running the command **🡪**

**docker run –p 80:80 img\_id/name**