# Assignment: Module 8: Docker with Microservices using Springboot - II

1. Created studentms app and generated jar

# 2. created Docker file

```
FROM openjdk:8-jdk-alpine
VOLUME /tmp
ARG JAR_FILE
COPY ${JAR_FILE} studentms.jar
ENTRYPOINT ["java","-Djava.security.edg=file:/dev/./urandom","-jar","studentms.jar"]
EXPOSE 1111
```

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# 3. Build the docker image

docker build -t studentms --build-arg JAR\_FILE="studentms-1.0.jar" .

```
labuser@ip-172-31-27-88:~/Documents$ docker build -t studentms --build-arg JAR_FILE="studentms-1.0.jar" .
Sending build context to Docker daemon 280.4MB
Step 1/6 : FROM openjdk:8-jdk-alpine
 ---> a3562aa0b991
Step 2/6 : VOLUME /tmp
---> Using cache
 ---> dd81d3894f23
Step 3/6 : ARG JAR_FILE
---> Using cache
---> aca92930c8e2
Step 4/6 : COPY ${JAR_FILE} studentms.jar
---> Using cache
---> ca41f8931a5b
Step 5/6 : ENTRYPOINT ["java","-Djava.security.edg=file:/dev/./urandom","-jar","studentms.jar"]
---> Using cache
---> c5ec7c7a783b
Step 6/6 : EXPOSE 1111
---> Using cache
---> bb87d99fe6c1
Successfully built bb87d99fe6c1
Successfully tagged studentms:latest
labuser@ip-172-31-27-88:~/Documents$
```

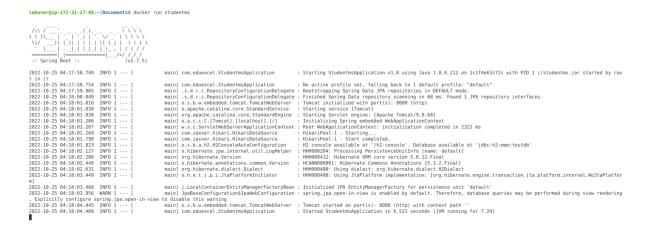
# 4. Check docker image created

```
labuser@ip-172-31-27-88:~/Documents$ docker images
REPOSITORY
                          IMAGE ID
                                    CREATED
                                                          SIZE
studentms
            latest
                          bb87d99fe6c1 6 minutes ago
                                                          144MB
                          <none>
                                                          144MB
<none>
<none>
            <none>
                          d94ec5a6b6b1 19 minutes ago
                                                          144MB
                          946d8dcb46e3 45 minutes ago
                                                          422MB
<none>
            <none>
<none>
            <none>
                          b61d5e1bce14
                                       About an hour ago
                                                          383MB
ubuntu
            latest
                          216c552ea5ba
                                       2 weeks ago
                                                          77.8MB
hello-world latest
                          feb5d9fea6a5
                                       13 months ago
                                                          13.3kB
            8-jdk-alpine
                                        3 years ago
                                                          105MB
openjdk
                          a3562aa0b991
labuser@ip-172-31-27-88:~/Documents$
```

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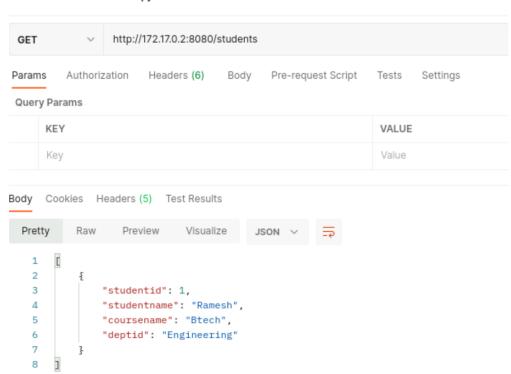
### 5. Run the docker image container

#### docker run studentms



#### 6. Testing

#### studentms / students Copy



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