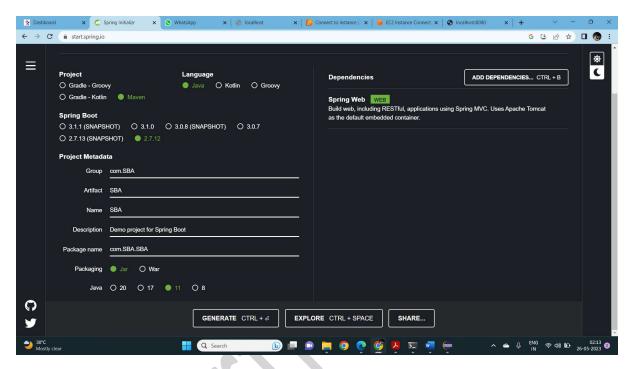
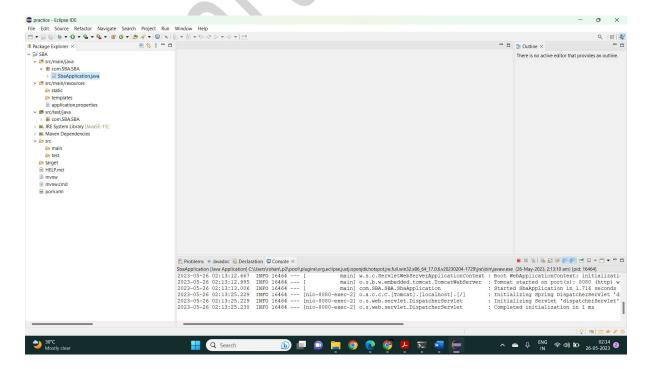
<u>DevOps Certification Training</u> <u>Docker Assignment – 2</u> Containerizing Spring boot Application

Name: Raparthi Rohan Batch: 27th March 2023

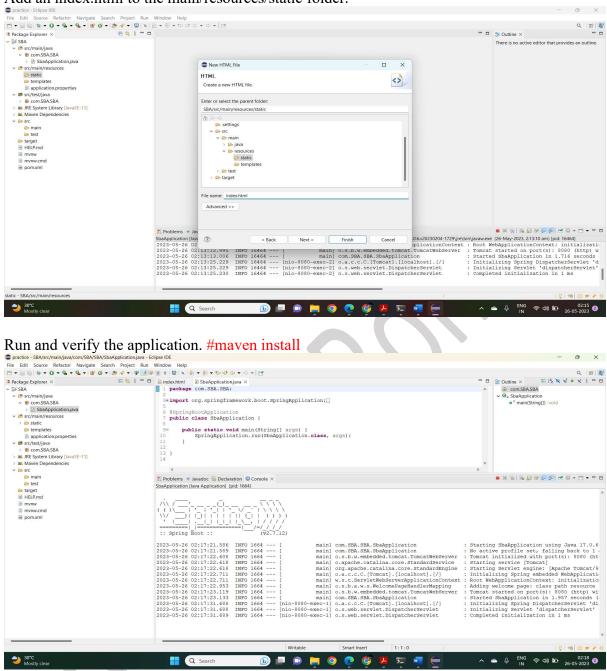
Create and download a Spring Boot application with Spring initializr



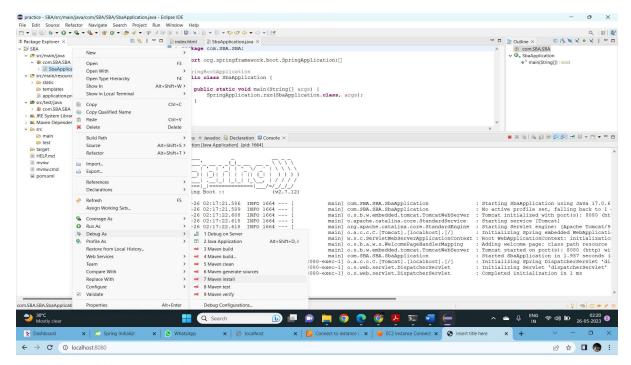
Import the application into Eclipse



Add an index.html to the main/resources/static folder.



#Localhost:8080

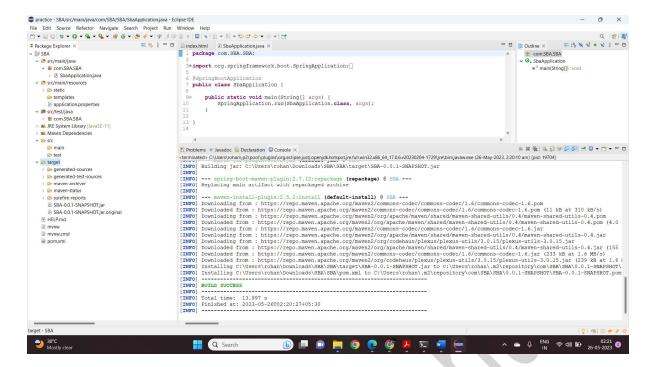


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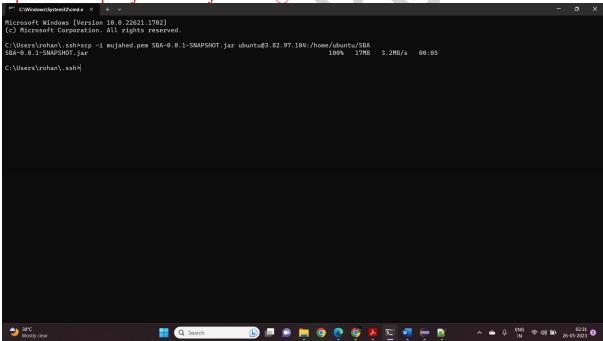
After \$maven install,

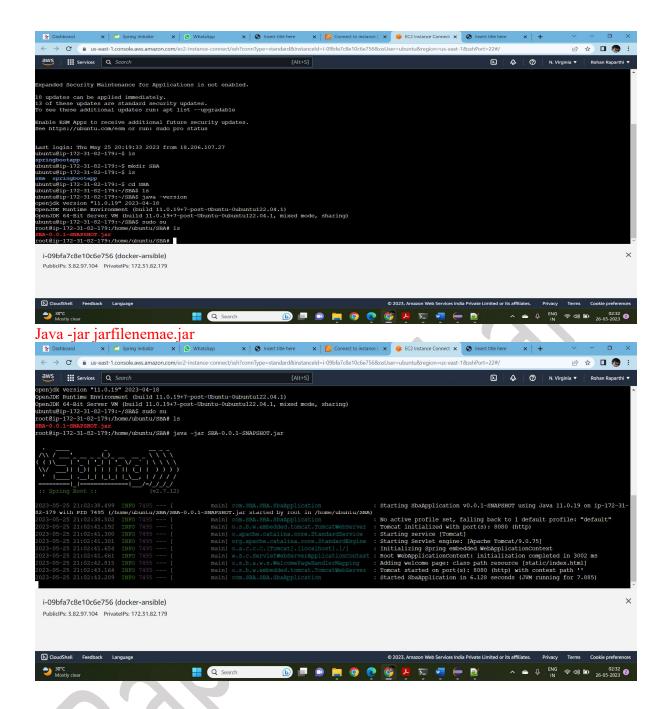
Build should be success and jar files will be created in target folder and now this jar files need to be pushed into AWS EC2 instance.



Cut and paste jar file in pem file location (ie., .ssh folder) for pushing into AWS EC2 instance

scp -i filename.pem jarfilename.jar ubuntu@PublicIP:folderlocation





PublicIP:8080

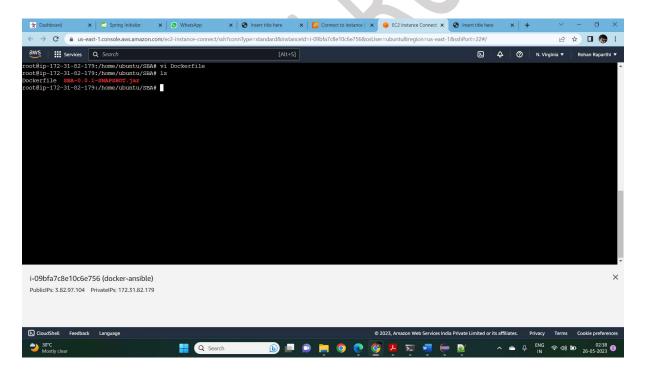


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Write a Dockerfile to containerize the application

vi Dockerfile

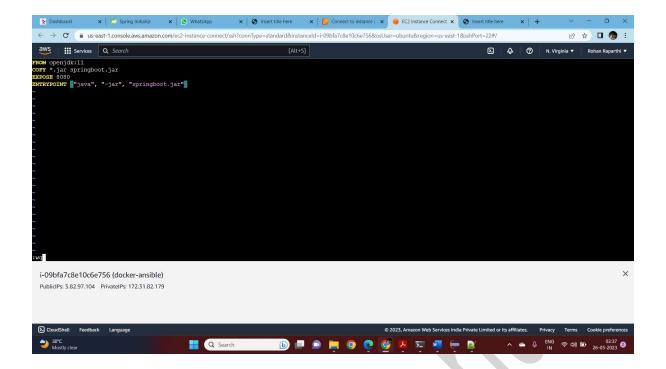


Dockerfile inputs: FROM openjdk:11

COPY *.jar springboot.jar

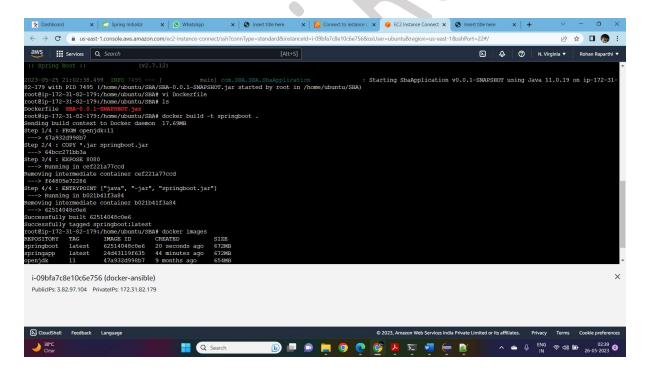
EXPOSE 8080

ENTRYPOINT ["java", "-jar", "springboot.jar"]



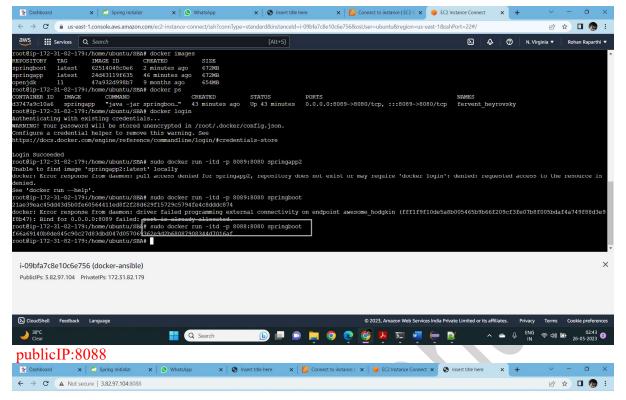
Build the docker image.

docker build -t filename.



Run on application as container in detached mode and on system port 8088

Docker run -itd p 8088:8080



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Push the docker image to Docker Hub

docker tag springboot:latest rohanraparthi/jar docker push rohanraparthi/jar

