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**(FA19-BCS-033)**

Topics in computer science-ii (DevOps)

Assignment # 02

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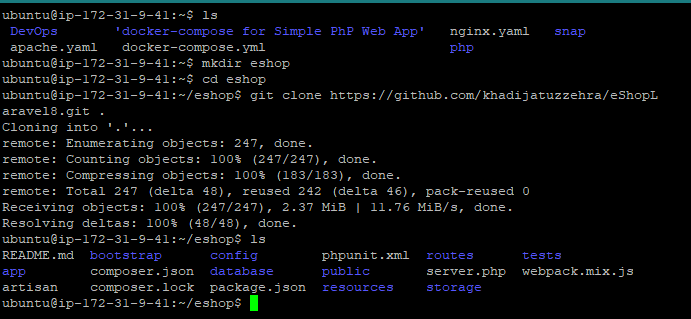
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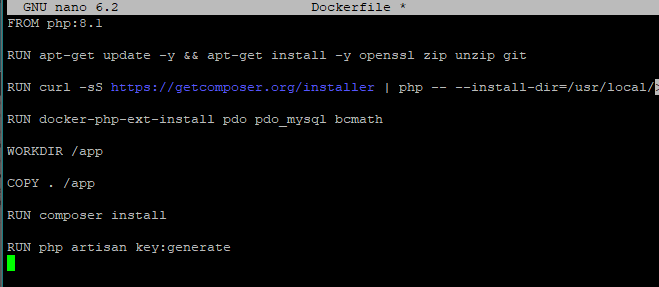
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# PART (1) Containerized deployment of a web application.

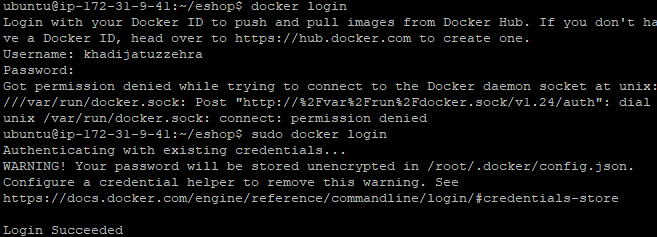
## Create a directory and clone your github project:



## Inside the directory create a dockerfile and add the following commands in the Dockerfile:

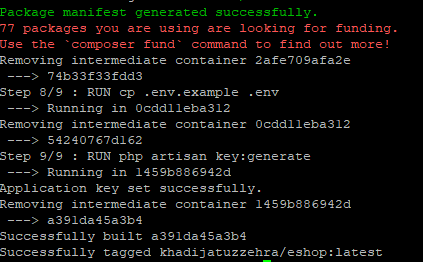


## Login to Docker:

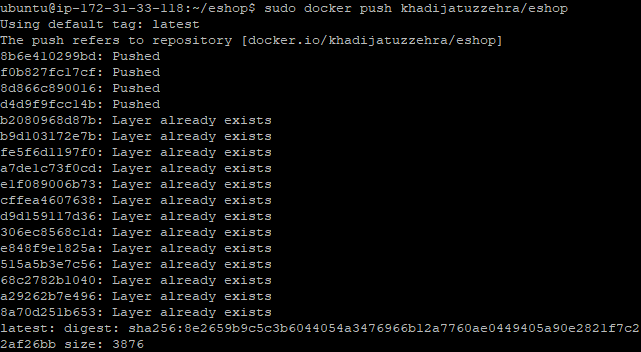


## Build the docker image:





## Push the image to dockerhub:

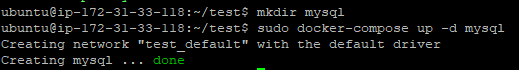


## Create a test directory in the root and add docker-composer.yml file:

Text

Description automatically generated

## Initialize an empty mysql directory in the test folder and run the mysql container:

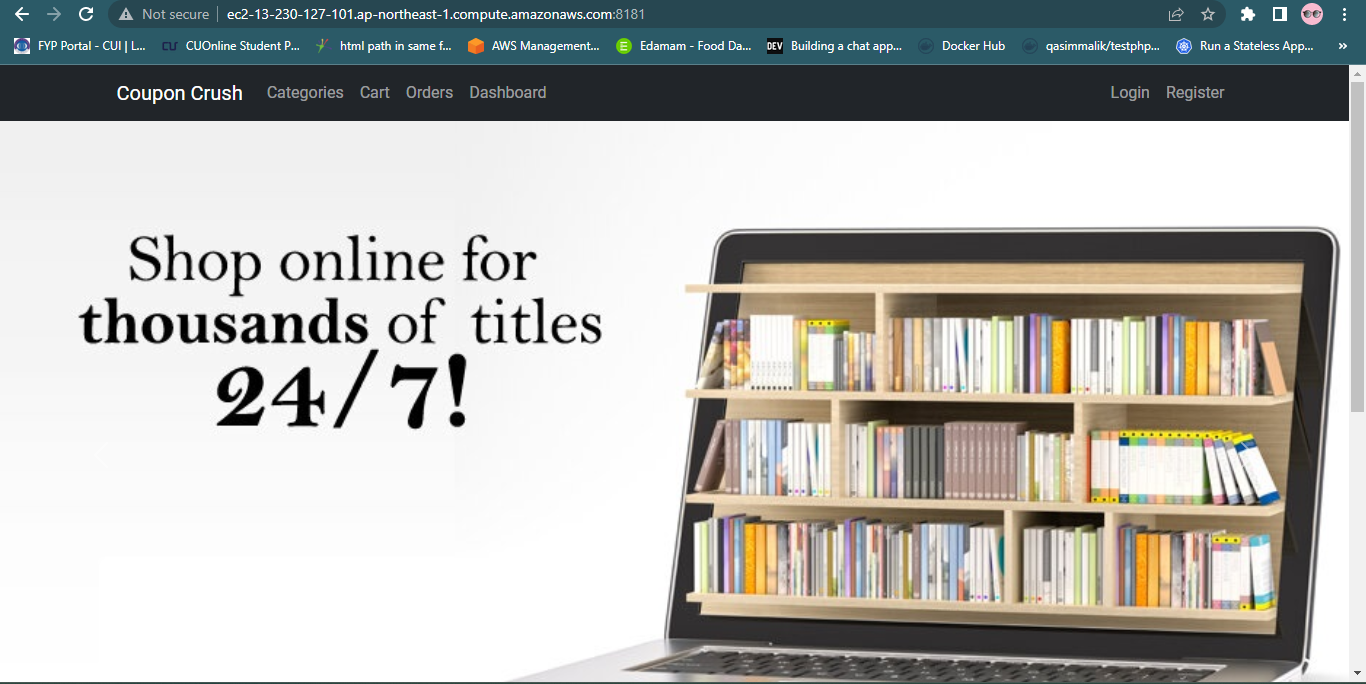


## Start the app container:

Text

Description automatically generated

## Output

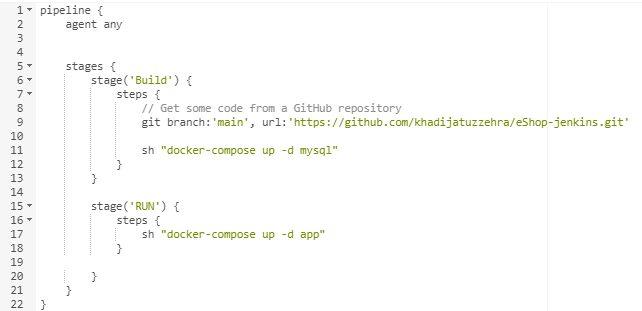


## Link

<http://ec2-13-230-127-101.ap-northeast-1.compute.amazonaws.com:8181/>

# PART (2) Creation of an automation pipeline

## Pipeline Scipt



## Build Output

