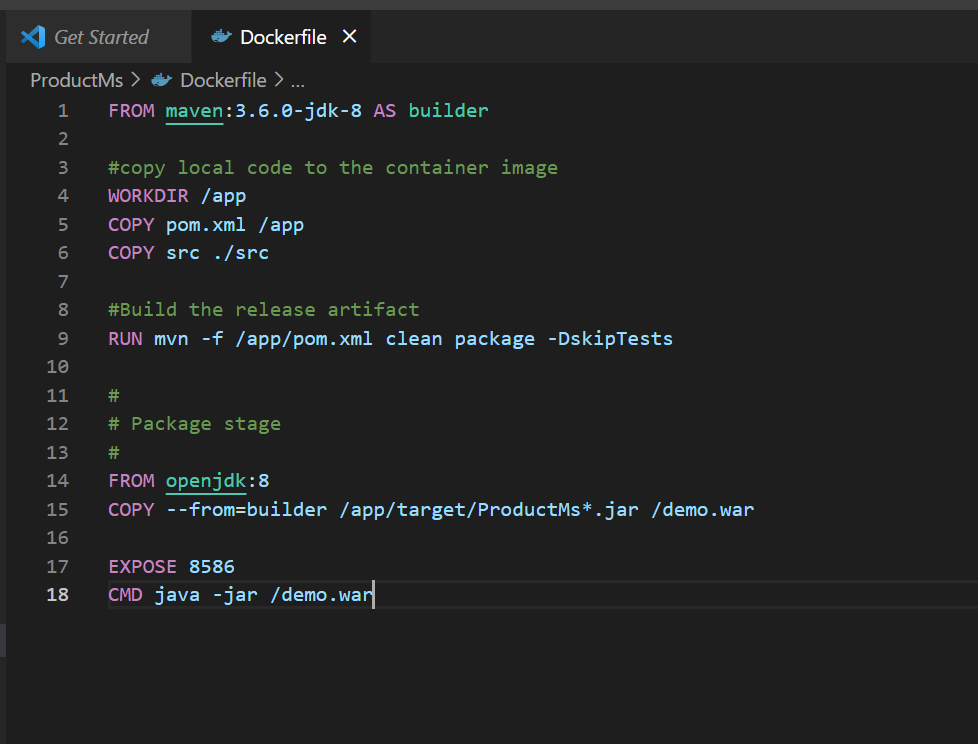
**DOCKER**

**Docker:**

**Docker** is a tool designed to make it easier to create, deploy, and run applications by using containers. Containers allow a developer to package up an application with all of the parts it needs, such as libraries and other dependencies, and deploy it as one package.

**Steps:**

1. Add **DockerFile** to the project folder, which contains all the commands related to docker containerization.
2. In the DockerFile, we have mentioned **mvn package** command to create executable jar file which can run at the time of running the container.



1. To create a docker image we use the command,

**docker build –t <image-name> .**

For example: **docker build –t productmodule .**

The Dot ( . ) represents the current directory where the DockerFile is located

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1. To view all the images we use the command,

**docker images**

**Graphical user interface, text

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1. To run the image we use the command,

**docker run -p 8586:8586 productmodule**

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**Graphical user interface, text, application, email

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1. To push the docker image that we created to the central repository like **Docker Hub**,

First we need to tag the image and login to the docker hub, we can do it through the command line,

1. We can use the **docker push <repository-name>** command to push our image to the central repository such as docker hub.

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1. After pushing the image we will be able to see the image in the docker hub website,

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