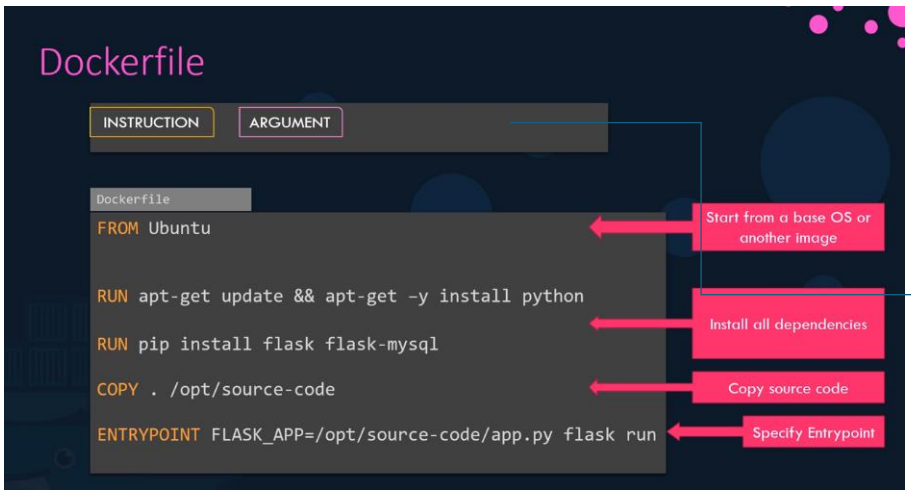
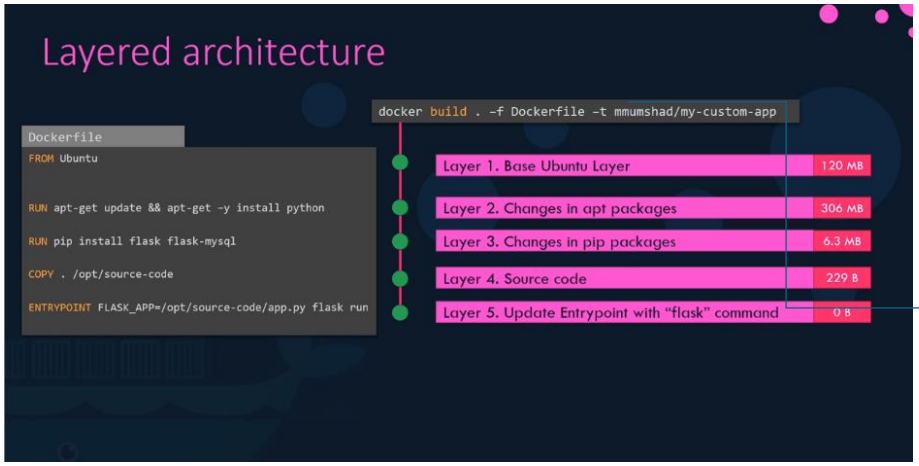
DOCKER – DOCUMENTATION

DOCKER FILE :



It helps to run instructions and their arguments so that we can deploy Images in our local system, Or we can also post it on our docker hub.

LAYERED ARCHITECTURE :



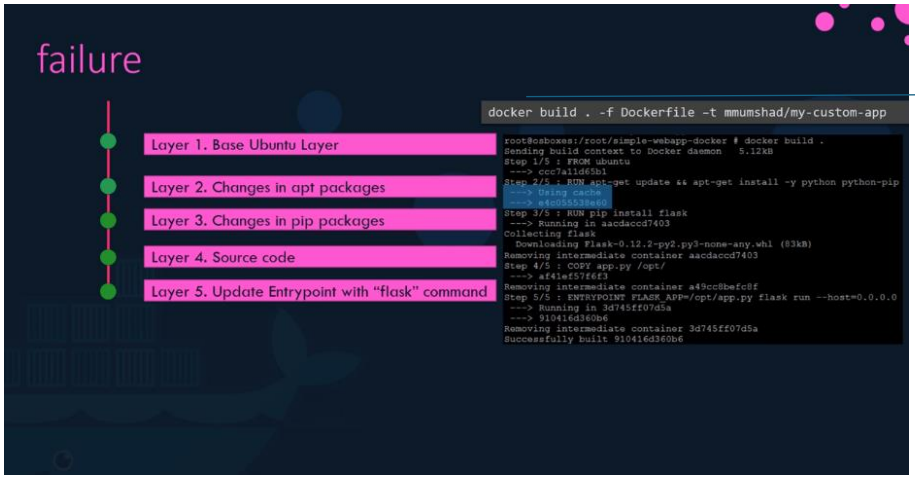
Help us to initialise or to understand all layers from base to the final layer with how many space they are occupying

DOCKER BUILD OUTPUT :

Output for the Docker Build

As you can see that Docker build commands run all steps from step 1 to step 5,
So if you want to add some extra steps,
you don't need to run it again from step one.

FAILURE :



In a case of failures, it will not run from the initial step again Just take the cache of the above steps and try to build the next step ,So if you want to add some extra steps also you don't need to run it again from step one.

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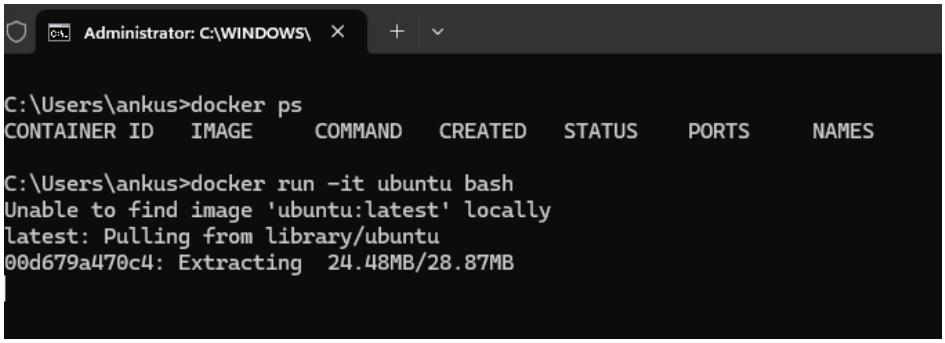
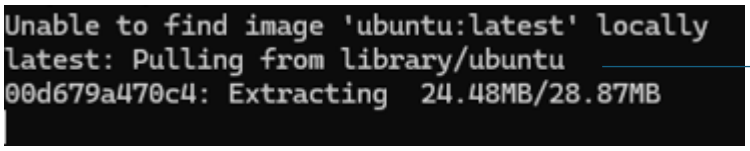
CHAPTER 1 : --

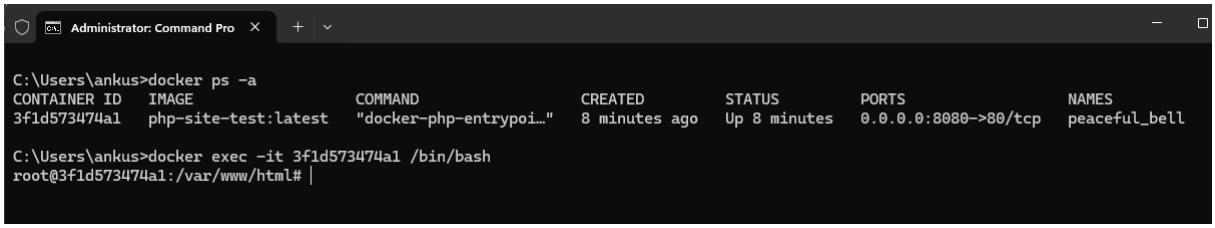
→ Creating our new docker image



docker ps → This command lists all the running containers. The output includes the container ID, image name, command that was run, creation time, status, ports, and name of the container.
docker ps -a → List all containers (running and stopped)
docker ps -q → Display only container IDs
docker ps -f "status=exited" → Filter containers by status (e.g., exited)



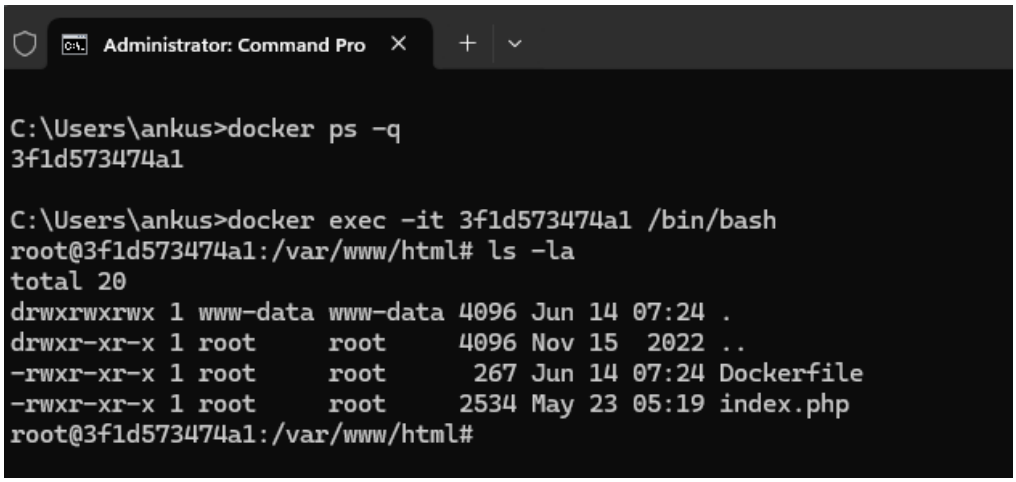
This is pulling an Ubuntu Image from Docker hub



docker exec -it 3f1d573474a1 /bin/bash → To get inside a running container.

Hosting PHP website from the official php image →

In the image ***3F1B573474a1*** Is the container id that is running through the image name that I created using ***docker build . -t php-site-test***



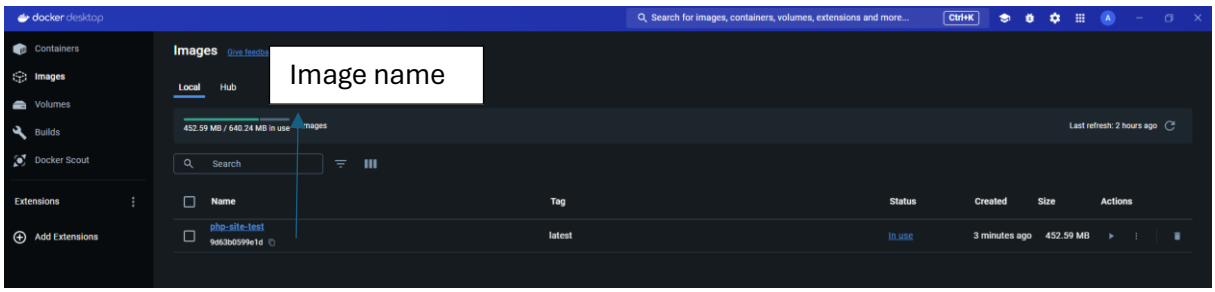
cat Dockerfile : →

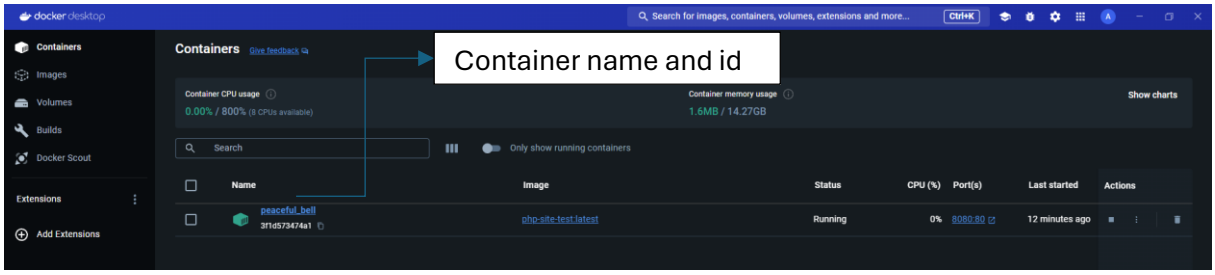
```
root@3f1d573474a1:/var/www/html# cat Dockerfile
# Use the official PHP image with Apache as the base image
FROM php:7.4-apache

# Copy the PHP files to the Apache document root
COPY . /var/www/html/

# Expose port 80 to the outside world
EXPOSE 80

# Start the Apache server
CMD ["apache2-foreground"]

root@3f1d573474a1:/var/www/html#
```

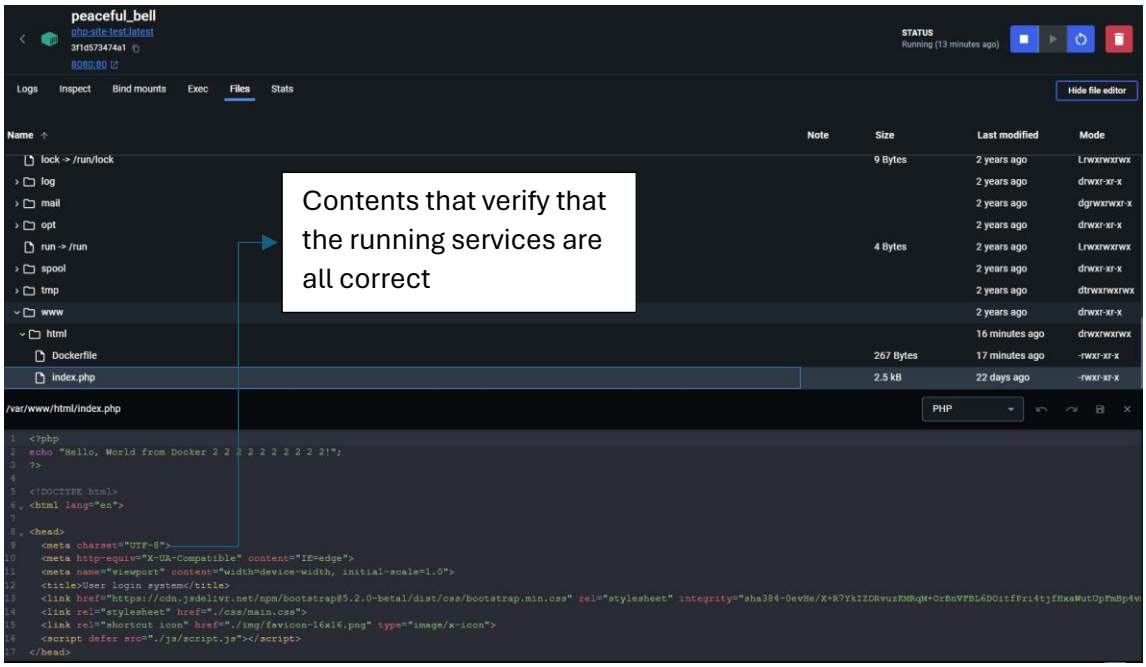
cat index.php : →

```
root@3f1d573474a1:/var/www/html# cat index.php
<?php
echo "Hello, World from Docker 2 2 2 2 2 2 2 2 2 2!";
?>

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>User login system</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrit
vuzKMRqM+OrBnVFBL6DOitfPri4tjfHxaWutUpFmBp4vmVor" crossorigin="anonymous">
  <link rel="stylesheet" href="./css/main.css">
  <link rel="shortcut icon" href="./img/favicon-16x16.png" type="image/x-icon">
  <script defer src="./js/script.js"></script>
</head>

<body>
  <div class="container">
    <div class="row min-vh-100 justify-content-center align-items-center">
      <div class="col-lg-5">
        <?php
        if (!empty($login_err)) {
          echo "<div class='alert alert-danger'>" . $login_err . "</div>";
        }
        ?>
```

DOCKER DESKTOP : →







github Link with workflow file that automatically push Image Into My Docker Hub Account

https://github.com/ankushjha-aj/DOCKER_TESTS/tree/docker-php-image

OUTPUT : --

NOTE : → no MYSQL Connected, just a DEMO page