

1. Write a Dockerfile that installs Apache HTTP Server (httpd) on a Debian base image.
2. Run a Docker container in detached mode using the httpd image and map container port 80 to host port 9090.
3. Create a Dockerfile that installs Node.js on an Alpine Linux base image.
4. Run a Docker container using the Node.js image, mounting the current directory to /app in the container and exposing port 3000.
5. Write a Dockerfile that installs Python 3 and the Flask package on a Debian base image.
6. Run a Docker container from the custom Flask image in the background and map host port 5000 to container port 5000.
7. Create a Dockerfile that installs MySQL Server on a Ubuntu base image. Set the root password using environment variables.
8. Run a Docker container from the official mysql image, setting the root password and exposing port 3306 to the host system.
9. Write a Dockerfile that installs and runs a simple static HTML website using NGINX. Include copying an index.html file into the container.
10. Run a Docker container with NGINX that automatically restarts unless explicitly stopped. Map container port 80 to host port 8081.