## **Running Your First Docker Container**

🔹 **Run a simple Nginx web server**

sh

docker run -d -p 8080:80 nginx

🔹 **Check running containers**

sh

docker ps

🔹 **Access in browser** → <http://localhost:8080>

## **Creating a Dockerized Application**

### **Step 1: Create a Dockerfile**

dockerfile

# Use an official Node.js runtime as base  
FROM node:18  
  
# Set working directory  
WORKDIR /app  
  
# Copy package.json and install dependencies  
COPY package.json ./  
RUN npm install  
  
# Copy application files  
COPY . .  
  
# Expose port  
EXPOSE 3000  
  
# Start the application  
CMD ["npm", "start"]

### **Step 2: Build the Docker Image**

sh

docker build -t my-app .

### **Step 3: Run the Container**

sh

docker run -d -p 3000:3000 my-app