```
sudo apt install docker-compose -y
# Download the latest version of Docker Compose
sudo curl -L "https://github.com/docker/compose/releases/latest/download/docker-compose-
$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose
# Make Docker Compose executable
sudo chmod +x /usr/local/bin/docker-compose
# Check Docker Compose version
docker-compose --version
# Example docker-compose.yml file
version: '3'
services:
 web:
  image: nginx:latest
  ports:
   - 80:80
 db:
  image: mysql:latest
  environment:
   - MYSQL_ROOT_PASSWORD=secret
# Start services using Docker Compose
docker-compose up -d
# Execute a shell inside the database container
```

Install Docker Compose

```
docker exec -it david-db-1 /bin/bash
# Access MySQL inside the container
mysql -u root -p
DOCKER:
# Install Docker
sudo apt install docker.io -y
# Restart Docker service
sudo service docker restart
# Check Docker status
sudo service docker status
# Add current user to the Docker group
sudo usermod -aG docker $USER
# Verify Docker installation
docker images
docker ps
# Fix permission issues with Docker socket
sudo chmod 666 /var/run/docker.sock
# Download kubectl
curl -LO https://dl.k8s.io/release/v1.32.0/bin/linux/amd64/kubectl
```

Install kubectl with correct permissions

sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl

Make kubectl executable

chmod +x kubectl

Create a local bin directory if it doesn't exist

mkdir -p ~/.local/bin

Move kubectl to the local bin directory

mv ./kubectl ~/.local/bin/kubectl

Verify kubectl installation

kubectl version --client











