Use Case 1:- Installing WordPress with MySQL/MariaDB and PhpMyAdmin on a Docker Container

Step1: - create the docker compose file and add the steps for mysqldb , wordpress and PhpMyAdmin images as below.

Docker-compose.yaml

version: "3.7"

services:

  db:

      image: mariadb:10

      container\_name: wpgains-demo-db

      restart: always

      volumes:

        - db\_data:/var/lib/mysql

        - ./backups:/backups

      environment:

        MYSQL\_DATABASE: wpgdemo

        MYSQL\_USER: wpgdemo\_user

        MYSQL\_PASSWORD: demo#1234

        MYSQL\_ALLOW\_EMPTY\_PASSWORD: 'no'

        MYSQL\_ROOT\_PASSWORD: demo#1234

  wordpress:

        image: wordpress:latest

        container\_name: wpgains-demo-app

        restart: always

        depends\_on: ['db']

        ports: ['80:80']

        links: ['db:db']

        volumes:

          - './wp-data:/var/www/html'

        environment:

          WORDPRESS\_DB\_HOST: db

          WORDPRESS\_DB\_NAME: wpgdemo

          WORDPRESS\_DB\_USER: wpgdemo\_user

          WORDPRESS\_DB\_PASSWORD: demo#1234

  phpmyadmin:

        image: phpmyadmin/phpmyadmin:4.7

        container\_name:  wpgains-demo-phpmyadmin

        restart: always

        depends\_on: ['db']

        ports: ['12000:80']

        links: ['db:db']

        environment:

          PHP\_HOST: db

          PHP\_USER: wpgdemo\_user

          PHP\_PASSWORD: demo#1234

volumes:

  db\_data: {}

Step2 : - Go into the command prompt and execute the below commands

Check the docker containers :







