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version: '3.1' #version of Docker-compose
services: #Specifies the micro-service you want to run
  db: # create an image by the name mysql
    # NOTE: As of June, 2018 this has been updated to use the
    version of mysql 5.7.22
    image: postgres:13 # specify the image to download from docker
    hub,
    ports: ["5432:5432"] # expose ports to docker-machine , same as
    the EXPOSE command
    hostname: db #specify the name of a host which can be used by a
    container running on the same docker machine
    environment: # specify the password and default database to
    connect to, note that the default root user will be picked up.
      POSTGRES_DB: "test"
      POSTGRES_HOST_AUTH_METHOD: "trust"
    container_name: postgresqlatabase
  web: # create an image by the name web
    build: spring-boot-postgres
    image: spring-boot-postgres
    ports: ["8080:8080"] # expose ports to docker-machine , same as
    the EXPOSE command
    hostname: web
    tty: true # same as the "-t" option used in docker build "-t"
    depends_on: #Specifies that this container should start up after
    mysql is build and has started
      - db
    links: # you will specify this name or the alias name
    db:<alias> in the java code to connect, note you will not use
    localhost
      - db
    environment: #Specifies the environment variables
      - AWS_ACCESS_KEY=123456
```