Q1

docker run --name db -p 3306:3306 -e MYSQL\_ROOT\_PASSWORD=pwd -d mysql:5.5

docker exec -it db bash

Q2

go build gumball

./gumball

Q3.

1. Contents of Dockerfile

FROM golang:latest   
EXPOSE 3000  
RUN mkdir /app   
ADD . /app/   
WORKDIR /app   
ENV GOPATH /app  
RUN cd /app ; go install gumball  
CMD ["/app/bin/gumball"]

2. Commands to build and run container

docker build -t gumball .

docker run -d --name gumball --link db:mysql -p 3001:3000 -p 3036:3036 gumball