(mobiles b. reso dockers for) hester took & long - Inspall wong official dor.
Building blocks of docker - container, images and volumes pruse are just diese images official images are pravided of date trub where we can explore the various diese mayor.

Install them and own in docker uninament. I was no Containers my onlong which are Systems that are capable of headling and owning fre diet images, was image name

to pull a particular image from cueb for it may already docken be -a thousanded this image on any be interest.

Liers down the containers.

To install a disk image all a second. To install a disk trage of a container we first o docker to no -- name "aname" as & not do all images.

- e POSTGRES-PASSNORD = mysecret password -d Postgres it will emant ounning the bookgres instance of a new comfainer. I we get out of the terminal, the instance will that. If we our again a new partition container will be created & We can stop this container rether from 901 09 wong docker stop containers name arid To over up a container, use QUI or simply docker run contraine some configurations only making it much light weight that then Ms. It does not ever have the own kernel. If needed these that catable anough to handle the image installed in Bits contained. the can install a disk Image and run multiple containers with inflances of the disk image installed (multiple versions)
Then we can appoint parts to these containers. Then we can connect these oppoints running on containers to the systems running on containers to the It is lightly useful for connecting with mongo, postgres and some systems that otherwise would have required hafallarijon

on our weal system. With what is were but the want eon tainers. En container brune removes all the styped Next, we pull a mongo image using docker bell tolongs. Then, run as a container with the mongo image using morgo usually sur on 27017 mongo for a study any image) to the can aibid docker our -- name some-name +6 preu parts later version of default posts the linear to be installed (All the containers must have unque namely docker logs container name gives insignes of the container of the data for of the container. It provides various options to get specific connecting two applications running on separate containerized. Then we have to get up a network over which the two applications will be connected. coe will use docken network commands for the hupok. Network creation - docker hetwerk creat -driver bridge De can check networks using some network -> docken network la Now that a network is got up non the containers for the 2 apps of providing correct env variables using -e options and correct network reverse

Example 2 Alls - morgo morgolabraervor (exp) Venus MONGO - INTOB-ROOT-USERME MB-CONFIG -= username MONGODB-ADMIN MONGO_INITOB_ROOT_PASSWORD = 30HAMBEL = passward OME-CONTIG-MONGODB-ADMN connot over our network for tunning the containers

director our network @PASSWORD= USERNAMP = 11/2 27017 10 2017 - E. MONGO-INITDB-ROOT_ USERNAME = asemane MONGOINITOB_ROOT_PASSWORD=bass -- next mongo-network -d mango docker our - p 8081: 8081 - e. M2-config Monnoby-NDMIN USERNAME = where one ME-CONFIR - MONKODA - ADMINIASSWORD

= paloward - mone organise mongo-express - ned mongo-express -This method of connecting containers is not feasible so, we use a file to maintain connection. We take help of docker compact command for this The sile that we one we trest to would be in your format Data to be put intide the yand fle: I Services Confo no goes desta Monageir Holongso visoriotas et 1960 T.

Dens: Marked eminment brown now of as mongo, ochty:

- image: mongo-express

- imag expriorie ME-CONFIGtreasting = - Dura Just are command. To the soul of the Me and docker-compose - of the name yam into We need not create & matrials a separate network here as one problem may occur of the containers are required to sum. In a particular order, to implement we put simply holide a characteristic restant: always in the container that have to be our later.

To mutation data terristence, we affine volumes too. In the yard file, include! refines: en use apr of the work of closed form and in the insign spokes about the state of the second ship volumes: - morgo data : latal de may for well How to containine an application is In order to containence an app, we build a disk image on to your Project file, create a solunate backerfile where we'll specify the docker build properties.

FROM base module here checked the base module of your app. MORDIR Let say app is in neder. We'll took for nede base module in the docker hub. Also, first of COPY FROM TO all create on all in dockerhub and use RUN Batanin on hopeler docter light and in forminal. expose port cmo to run the app then use a docker build -t flourname/ing_name: 0.0.0.0. Retiser

Lospecifies
where the Dockerfile is . Try our the image docker container en -d -b 3000 good 3000 hude-house · docker container etal imagerame . We can bush our image to docker hub so that any one can pull it and run. · docter pun image name for containerizing a Go App FROM galang: 1.27 (maybe) WORKOIR 1 app coff gormod. copy main.go. RUN go get RUN go build -0 bin ENTRY POINT ["PAP/6"] But that's a bad way wreading go app image. Rather we should multi-trage builds to willize go's fearfure