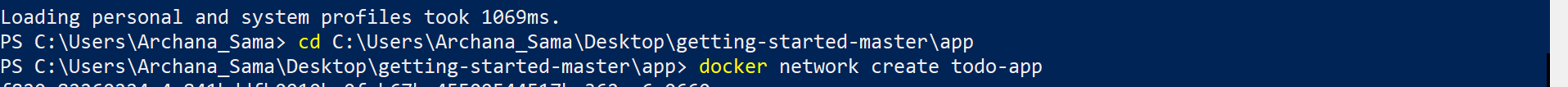
**Docker three-tier archiecture**

First get into the folder where source code is present



create the network first and attach the MySQL container at startup.

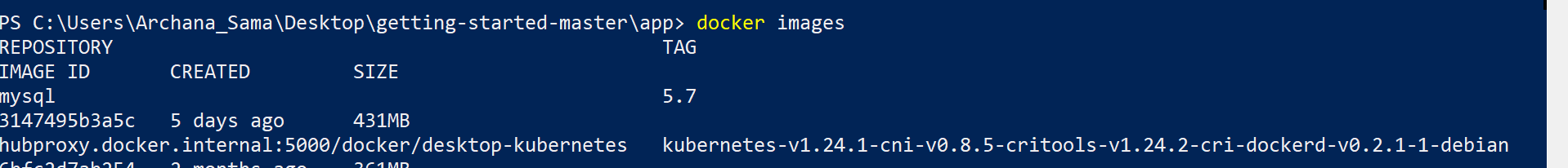


Start a MySQL container and attach it to the network. We’re also going to define a few environment variables that the database will use to initialize the database

Graphical user interface, text

Description automatically generated

To get list of images



To confirm we have the database up and running, connect to the database and verify it connects. Copy the id from >docker container ps -a

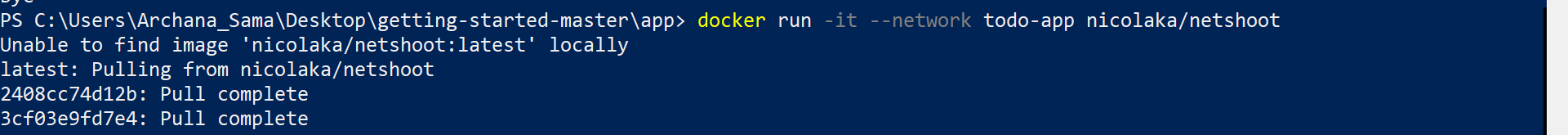
* After executing the command will get into database with password secret
* Show databases where we can see tables

Text

Description automatically generated

Start a new container using the nicolaka/netshoot image. Make sure to connect it to the same network.

$ dig mysql



Text

Description automatically generated

**Note**: for MySQL versions 8.0 and higher, make sure to include the following commands in mysql.

Text

Description automatically generated

We’ll specify each of the environment variables above, as well as connect the container to our app network.

Text

Description automatically generated

1. Open the app in your browser and add a few items to your todo list.

Graphical user interface, application, Teams

Description automatically generated

Open the app in your browser and add a few items to your todo list.

And in the mysql shell, run the following:

Text

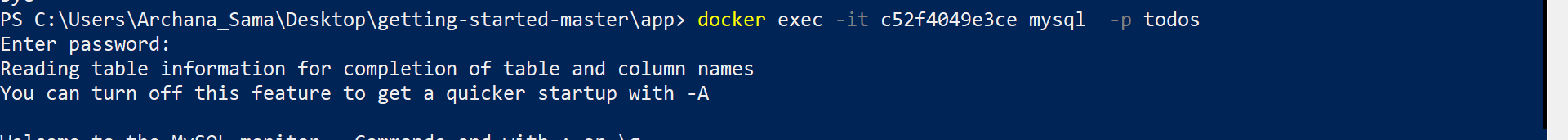
Description automatically generated

If you take a quick look at the Docker Dashboard, you’ll see that we have two app containers running.

Graphical user interface, application

Description automatically generated

Again run the command and make changes to it and see the result



After makings changes we see result

Graphical user interface, application, Teams

Description automatically generated

A screenshot of a computer screen

Description automatically generated with medium confidence