1-docker run --name nginx -p 38282:8080 nginx:alpine.

```
helmy@ubuntu: ~
                                                                          helmy@ubuntu:~$ docker run -d --name nginx -p 38282:8080 nginx:alpine
b5d5bdf1a771dbbd20d79129f4a3c85401896fe00d543a355eff9464ea8bc505
helmy@ubuntu:~$ docker ps
CONTAINER ID
               IMAGE
                              COMMAND
                                                                        STATUS
                                                       CREATED
        PORTS
                                                              NAMES
b5d5bdf1a771
              nginx:alpine
                              "/docker-entrypoint..."
                                                       14 seconds ago
                                                                        Up 13 se
        80/tcp, 0.0.0.0:38282->8080/tcp, :::38282->8080/tcp
conds
                                                              nginx
helmy@ubuntu:~S
```

2-create ubuntu image and check the size of it

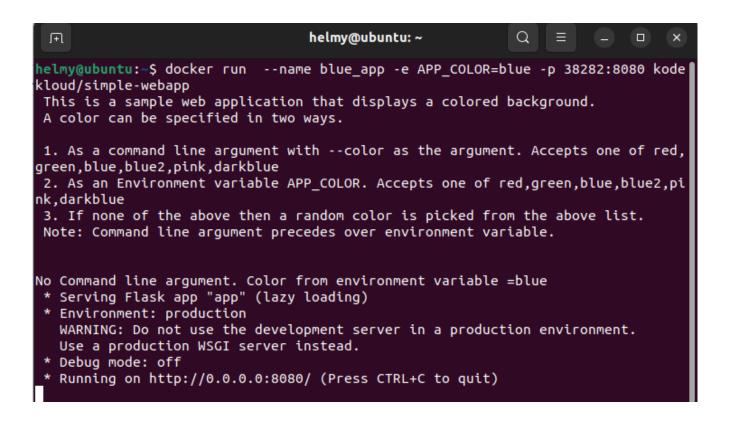
```
helmy@ubuntu:~/ubuntu$ touch Dockerfile
helmy@ubuntu:~/ubuntu$ vim
          vim.basic vimdiff
                                           vimtutor
                                vim.tinv
helmy@ubuntu:~/ubuntu$ vim Dockerfile
helmy@ubuntu:~/ubuntu$ docker build -t ubuntu .
[+] Building 0.1s (5/5) FINISHED
helmy@ubuntu:~/ubuntu$ docker images
REPOSITORY
                         IMAGE ID
                                       CREATED
              TAG
                                                     SIZE
                        bd472681863f
node
              node
                                       4 days ago
                                                     187MB
<none>
              <none>
                        5c89e3f72667
                                       2 weeks ago
                                                     7.33MB
helloworled2
                        Ofdafaa6892e 2 weeks ago 7.33MB
              latest
hello-world
                        9c7a54a9a43c
                                      3 weeks ago
                                                    13.3kB
              latest
nginx
               latest
                        448a08f1d2f9 3 weeks ago
                                                     142MB
                        3b418d7b466a 4 weeks ago
ubuntu
              <none>
                                                     77.8MB
ubuntu
              latest
                        bb59a1c2f7b9 4 weeks ago
                                                     77.8MB
                        8e75cbc5b25c
nginx
               alpine
                                       8 weeks ago
                                                     41MB
helmy@ubuntu:~/ubuntu$
```



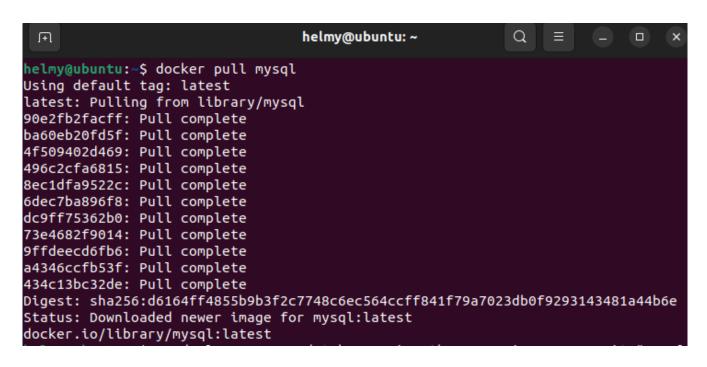
3- Run a container named blue-app using image kodekloud/simple-webapp and set the environment variable APP_COLOR to blue. Make the

application available on port 38282 on the host. The application listens on port 8080.

lab2 - lab2-sprints.pdf	×	Hello from Flask	×	+						
Hello from eb5fcd5c9846!										



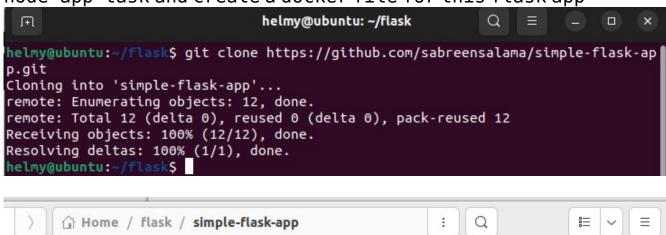
4-Deploy a mysql database using the mysql image and name it mysql-db Set the database password to use db_pass123 then inspect it to check the value

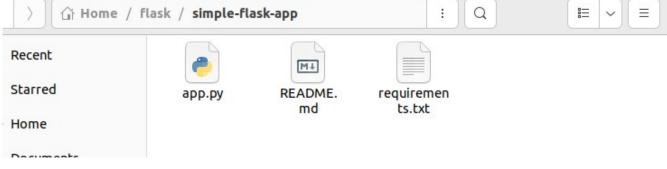


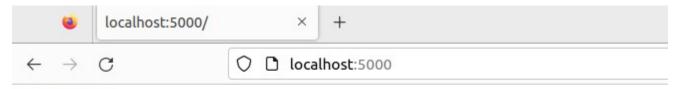
.Fl		helmy@ubuntu	:~	Q =	_						
helmy@ubuntu:~\$ docker runname mysql-db -e MYSQL_ROOT_PASSWORD=db_pass123 -d mysql ccc87cbd3c0e5214946efd980cf4276cba6f3d3416c2d5aaecc534fabad44521											
helmy@ubuntu:~\$ docker ps CONTAINER ID IMAGE NAMES	COMMAND		CREATED	STATUS	PORTS						
ccc87cbd3c0e mysql	"docker-ei	ntrypoint.s"	2 minutes ago	Up 2 minu	tes 3306/						
tcp, 33060/tcp mysql-db											
helmy@ubuntu:~\$ docker images											
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE							
mysql	latest	05db07cd74c0	2 days ago	565MB							
node	node	bd472681863f	4 days ago	187MB							
helloworled2	latest	0fdafaa6892e		7.33MB							
<none></none>	<none></none>	5c89e3f72667	2 weeks ago	7.33MB							
hello-world	latest	9c7a54a9a43c	3 weeks ago	13.3kB							
nginx	latest	448a08f1d2f9	3 weeks ago	142MB							
ubuntu	<none></none>	3b418d7b466a	4 weeks ago	77.8MB							
ubuntu	latest	bb59a1c2f7b9	4 weeks ago	77.8MB							
nginx	alpine	8e75cbc5b25c	8 weeks ago	41MB							
kodekloud/simple-webapp helmy@ubuntu:~\$	latest	c6e3cd9aae36	4 years ago	84.8MB							

5- pull the code from

https://github.com/sabreensalama/dockerizenode-app-task and create a docker file for this flask app







Hello World