

Docker - Convert into Images and Container

```
dp@dp-Inspiron-3538:~/Downloads/ibm_main$ sudo docker build -t plasma_donor .
[sudo] password for dp:
Sending build context to Docker daemon 244.7kB
Step 1/9 : FROM python:3.9
--> 850f8694d221
Step 2/9 : RUN apt-get update
--> Using cache
--> 88eaf8bcac1f
Step 3/9 : RUN mkdir /app
--> Using cache
--> 03774b6c8786
Step 4/9 : WORKDIR /app
--> Using cache
--> 3a4d7d57630d
Step 5/9 : COPY . /app
--> Using cache
--> 576f4ac249a8
Step 6/9 : RUN pip install -r requirements.txt
--> Using cache
--> a3432e28934b
Step 7/9 : EXPOSE 5000
--> Using cache
--> b3842ae7ea1c
Step 8/9 : ENTRYPOINT [ "python" ]
--> Using cache
--> 415ea07563e0
Step 9/9 : CMD [ "app.py" ]
--> Using cache
--> f2b3149c4a3e
Successfully built f2b3149c4a3e
Successfully tagged plasma_donor:latest
```

The screenshot shows the Docker Desktop application window. The left sidebar contains navigation options: Containers, Images (selected), Volumes, Dev Environments (with a BETA badge), Extensions (with a BETA badge), and Add Extensions. The main panel is titled 'Images on disk' and shows '1 Images'. Below this, there's a section for 'Images' with a 'Give feedback' link. Under the 'LOCAL' tab, a search bar is present, and a checkbox for 'In use only' is unchecked. A table lists the local images:

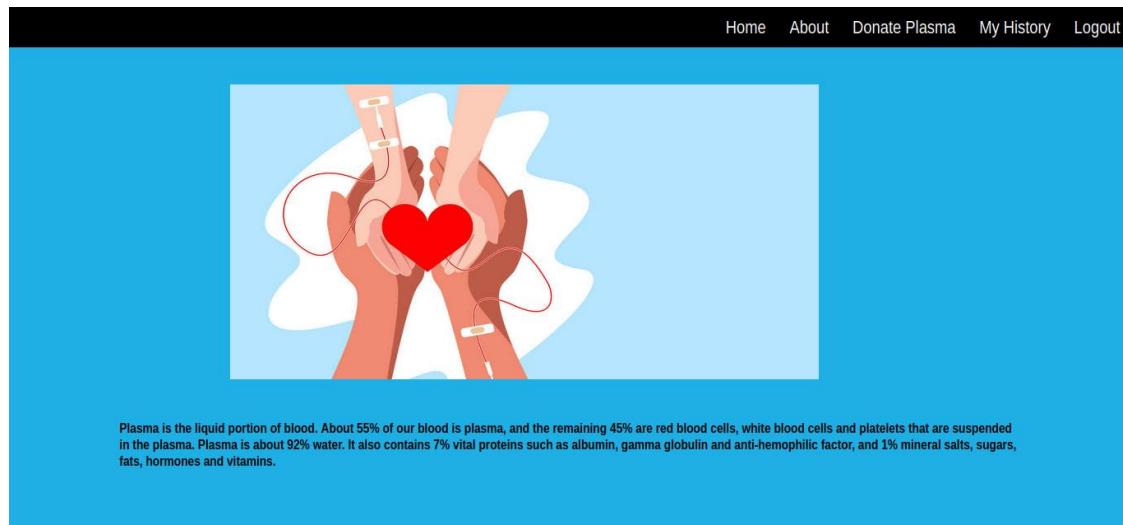
NAME	TAG	IMAGE ID	CREATED	SIZE
app	latest	5878bafa13e0	less than a minute ago	1.11 GB

At the bottom of the main panel, there's a 'Connect to Remote Content' section with three items, each with a green checkmark:

- Store and backup your images remotely
- Unlock vulnerability scanning for greater security
- Collaborate with your team

The status bar at the bottom shows 'RAM 3.41GB', 'CPU 0.11%', 'Not connected to Hub', and the version 'v4.14.1'.

Running on LocalHost:



The screenshot shows a web application interface with a blue background. In the center, there is a white rectangular form titled "DONOR DETAILS". The form contains the following fields: "Email", "Name", "Phone", "Blood Group" (a dropdown menu with "O+" selected), and "Address". Each field has a yellow underline. Below the "Address" field is a black button with white text that says "SUBMIT".

Pushing Docker Image To IBM Container Registry

```
dhara@INCHEL-CTF6BH2:/mnt/c/Users/c-dhaven$ docker push icr.io/plasma_donor/plasmadonorimage:v1
The push refers to repository [icr.io/plasma_donor/plasmadonorimage]
16ff8695e36a: Layer already exists
0196f5ff568c: Pushed
5f70bf18a086: Layer already exists
d57a8c52076c: Layer already exists
7aba4e2c026e: Pushed
bdc94073ef2: Layer already exists
c44cf16349ba: Layer already exists
22323d4bd802: Layer already exists
e6e9854ca999: Layer already exists
397a239a053b: Layer already exists
89c3244a87b2: Layer already exists
80231db1194c: Layer already exists
f1c1f2298584: Layer already exists
ccba29d69370: Layer already exists
v1: digest: sha256:1358f43a5d5864f6c3cf4754e533e5c6102ce1b5947671d25d7e28659067c3bf size: 3264
```