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Question. A developer wants to the following task:

1. **Create a web based php image from dockerfile, build it with name as php_last 4 digits of regd no.**
2. **Create a web based container from above build image**
    (container name must be php_last name)
3. **Save changes to this container, and upload to your Docker hub.**

```
PS C:\Users\User> mkdir 12307890


    Directory: C:\Users\User


Mode              LastWriteTime        Length Name
----              -------------        ------ ----
d-----        26-02-2026    13:06             12307890


PS C:\Users\User> cd 12307890
PS C:\Users\User\12307890> notepad index.php
PS C:\Users\User\12307890> notepad dockerfile.txt
PS C:\Users\User\12307890> ren dockerfile.txt dockerfile
PS C:\Users\User\12307890> docker build -t kumar7890

RAM 0.97 GB  CPU 0.00%  Disk: 5.80 GB used (limit 1006.85 GB)
```

```
PS C:\Users\User\12307890> docker build -t kumar7890
ERROR: docker: 'docker buildx build' requires 1 argument

Usage:  docker buildx build [OPTIONS] PATH | URL | -

Run 'docker buildx build --help' for more information
PS C:\Users\User\12307890> docker build -t kumar7890 .
[+] Building 25.0s (10/10) FINISHED                          docker:desktop-linux
 => [internal] load build definition from dockerfile                        0.2s
 => => transferring dockerfile: 525B                                        0.1s
 => [internal] load metadata for docker.io/library/alpine:3.19             5.3s
 => [internal] load .dockerignore                                          0.1s
 => => transferring context: 2B                                            0.0s
 => [internal] load build context                                          0.3s
 => => transferring context: 57B                                           0.1s
 => [1/5] FROM docker.io/library/alpine:3.19@sha256:6baf43584bcb78f2e5847d1de515f23499913ac9f12bdf  4.0s

RAM 0.97 GB  CPU 0.25%  Disk: 5.80 GB used (limit 1006.85 GB)
```

```
=> => resolve docker.io/library/alpine:3.19@sha256:6baf43584bcb78f2e5847d1de515f23499913ac9f12bdf   0.2s
=> => sha256:17a39c0ba978cc27001e9c56a480f98106e1ab74bd56eb302f9fd4cf758ea43f 3.42MB / 3.42MB        3.0s
=> => extracting sha256:17a39c0ba978cc27001e9c56a480f98106e1ab74bd56eb302f9fd4cf758ea43f             0.6s
=> [2/5] RUN apk add --no-cache     apache2     php82     php82-apache2     php82-session     ph    10.3s
=> [3/5] RUN mkdir -p /run/apache2                                                                   0.6s
=> [4/5] WORKDIR /var/www/localhost/htdocs                                                           0.2s
=> [5/5] COPY index.php .                                                                            0.2s
=> exporting to image                                                                               3.2s
=> => exporting layers                                                                               2.2s
=> => exporting manifest sha256:1280013cf163e8c5c4884f363a7d73bd6c7d85673a43b1261a6feac68a490cb6      0.1s
=> => exporting config sha256:4e94b9b6471d989336f4b1590d31a1614b8e25e5d00c675d470b004b238f8ecf        0.0s
=> => exporting attestation manifest sha256:d5e1828aeaadba023a15168630057b32e9f8f892ecf9b02524945     0.1s
=> => exporting manifest list sha256:23f9383d2a3e69adaabe4edb3daa7299cfd9885967354fd9fe4c6d95d2bf     0.1s
=> => naming to docker.io/library/kumar7890:latest                                                   0.0s
=> => unpacking to docker.io/library/kumar7890:latest                                                0.5s
PS C:\Users\User\12307890> docker run -dit -p 8080:80 --name kumar-container kumar7890
```
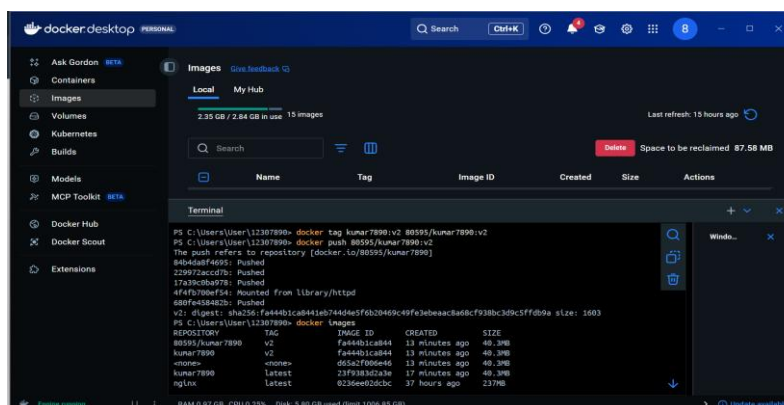RAM 0.96 GB CPU 0.25%   Disk: 5.80 GB used (limit 1006.85 GB)

```
PS C:\Users\User\12307890> docker run -dit -p 8080:80 --name kumar-container kumar7890
ab549f5e8c2d8a2d54b18bc40e08670e25bdb0e124db7a96bc3ab7d7118f39d1
PS C:\Users\User\12307890> docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
kumar7890           latest          23f9383d2a3e    3 minutes ago   40.3MB
nginx               latest          0236ee02dcbc    37 hours ago    237MB
myimage             latest          d1627ad4f701    4 days ago      117MB
mongo               latest          474f5c3bf0e3    8 days ago      1.29GB
updateimage         latest          f14e5eefb3f1    8 days ago      117MB
ub1                 latest          0b9408b6c601    2 weeks ago     412MB
jenkins/jenkins     latest          230334813d1b    2 weeks ago     804MB
ubuntu              latest          cd1dba651b30    6 weeks ago     117MB
httpd               latest          dd178595edd6    6 weeks ago     175MB
static-hello-site   latest          1b73b46adfde    3 months ago    79.9MB
mysql               8.0.44-debian   9a8352586030    3 months ago    812MB
<none>              <none>          66460d557b25    4 months ago    117MB
```
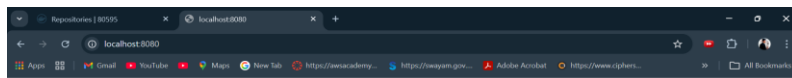RAM 0.96 GB CPU 0.50%   Disk: 5.80 GB used (limit 1006.85 GB)

```
Your one-time device confirmation code is: QLBD-XQRT
Press ENTER to open your browser or submit your device code here: https://login.docker.com/activate

Waiting for authentication in the browser…
Login Succeeded
PS C:\Users\User\12307890> docker info
Client:
 Version:    28.5.1
 Context:    desktop-linux
 Debug Mode: false
 Plugins:
  ai: Docker AI Agent - Ask Gordon (Docker Inc.)
    Version:  v1.9.11
    Path:     C:\Program Files\Docker\cli-plugins\docker-ai.exe
```
RAM 0.96 GB CPU 0.25%   Disk: 5.80 GB used (limit 1006.85 GB)

It works!