

Exercise 1&2

Hosting a Basic Website with Docker Desktop :

```
gk252@LAPTOP-EU08E78U MINGW64 /d
$ mkdir my-website

gk252@LAPTOP-EU08E78U MINGW64 /d
$ cd my-website/

gk252@LAPTOP-EU08E78U MINGW64 /d/my-website
$ touch index.html

gk252@LAPTOP-EU08E78U MINGW64 /d/my-website
$ ls
index.html

gk252@LAPTOP-EU08E78U MINGW64 /d/my-website
$ |
```

```
Microsoft Windows [Version 10.0.19045.5737]
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C:\Users\gk252>cd Desktop

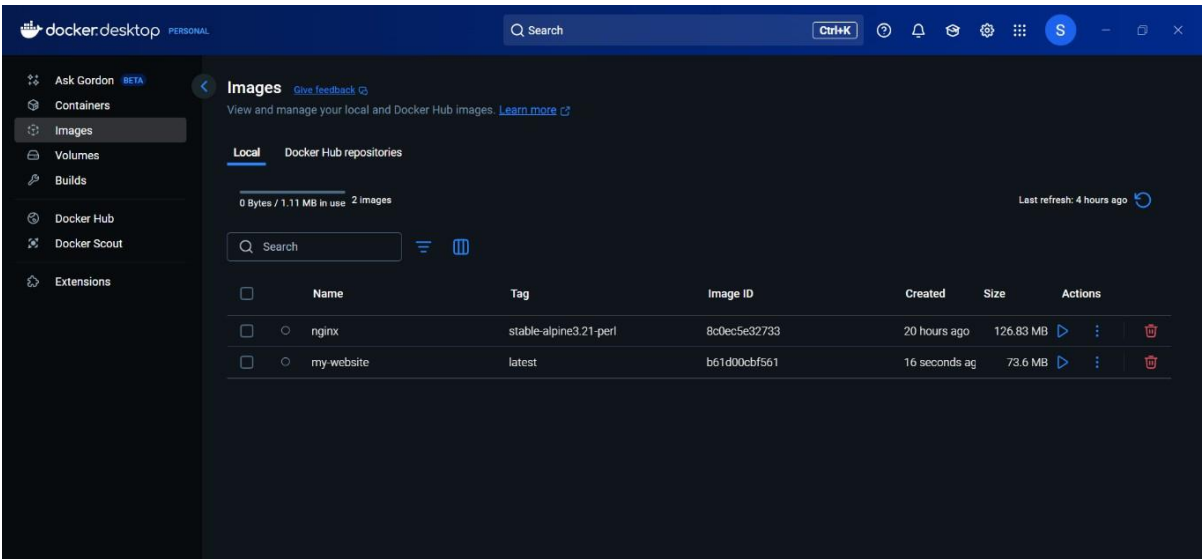
C:\Users\gk252\Desktop>cd my-website

C:\Users\gk252\Desktop\my-website>docker build -t my-website .
[+] Building 15.8s (8/8) FINISHED                                docker:desktop-linux
=> [internal] load build definition from Dockerfile                0.1s
=> => transferring dockerfile: 341B                                0.0s
=> [internal] load metadata for docker.io/library/nginx:alpine    5.2s
=> [auth] library/nginx:pull token for registry-1.docker.io       0.0s
=> [internal] load .dockerignore                                  0.0s
=> => transferring context: 2B                                       0.0s
=> [internal] load build context                                  0.0s
=> => transferring context: 644B                                     0.0s
=> [1/2] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f  9.9s
=> => resolve docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f  0.0s
=> => sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f2a10 10.33kB / 10.33kB  0.0s
=> => sha256:61ca4f733c802afd9e05a32f0de0361b6d713b8b53292dc15fb093229f648674 1.79MB / 1.79MB  4.1s
=> => sha256:b464cfd2a6319875aeb27359ec549790ce14d8214fcb16ef915e4530e5ed235 629B / 629B  1.1s
=> => sha256:62223d644fa234c3a1cc785ee14242ec47a77364226f1c811d2f669f96dc2ac8 2.50kB / 2.50kB  0.0s
=> => sha256:6769dc3a703c719c1d2756bda113659be28ae16cf8da58dd5fd823d6b9a050ea 10.79kB / 10.79kB  0.0s
=> => sha256:d7e5070240863957ebb0b5a44a5729963c3462666baa2947d00628cb5f2d5773 955B / 955B  1.4s
=> => sha256:81bd8ed7ec6789b0cb7f1b47ee731c522f6dba83201ec73cd6bca1350f582948 402B / 402B  1.6s
=> => sha256:197eb75867ef4fccc4724f17b0972ab0489436860a594a9445f8eaff8155053 1.21kB / 1.21kB  2.2s
=> => sha256:34a64644b756511a2e217f0508e11d1a572085d66cd6dc9a555a082ad49a3102 1.40kB / 1.40kB  2.2s
=> => sha256:39c2ddfd6010082a4a646e7ca44e95aca9bf3eaeabc00f17f7ccc2954004f2a7d 15.52MB / 15.52MB  9.0s
=> => extracting sha256:61ca4f733c802afd9e05a32f0de0361b6d713b8b53292dc15fb093229f648674  0.1s
=> => extracting sha256:b464cfd2a6319875aeb27359ec549790ce14d8214fcb16ef915e4530e5ed235  0.0s
=> => extracting sha256:d7e5070240863957ebb0b5a44a5729963c3462666baa2947d00628cb5f2d5773  0.0s
=> => extracting sha256:81bd8ed7ec6789b0cb7f1b47ee731c522f6dba83201ec73cd6bca1350f582948  0.0s
=> => extracting sha256:197eb75867ef4fccc4724f17b0972ab0489436860a594a9445f8eaff8155053  0.0s
=> => extracting sha256:34a64644b756511a2e217f0508e11d1a572085d66cd6dc9a555a082ad49a3102  0.0s
=> => extracting sha256:39c2ddfd6010082a4a646e7ca44e95aca9bf3eaeabc00f17f7ccc2954004f2a7d  0.5s
=> [2/2] COPY index.html /usr/share/nginx/html/index.html        0.4s
=> => exporting to image                                             0.1s
=> => exporting layers                                              0.0s
=> => writing image sha256:47ebe27eb38f46f1ff8d7dcafbcb85a783f892703b0578e8c358e4f286c8f2ec7  0.0s
=> => naming to docker.io/library/my-website                       0.0s
```

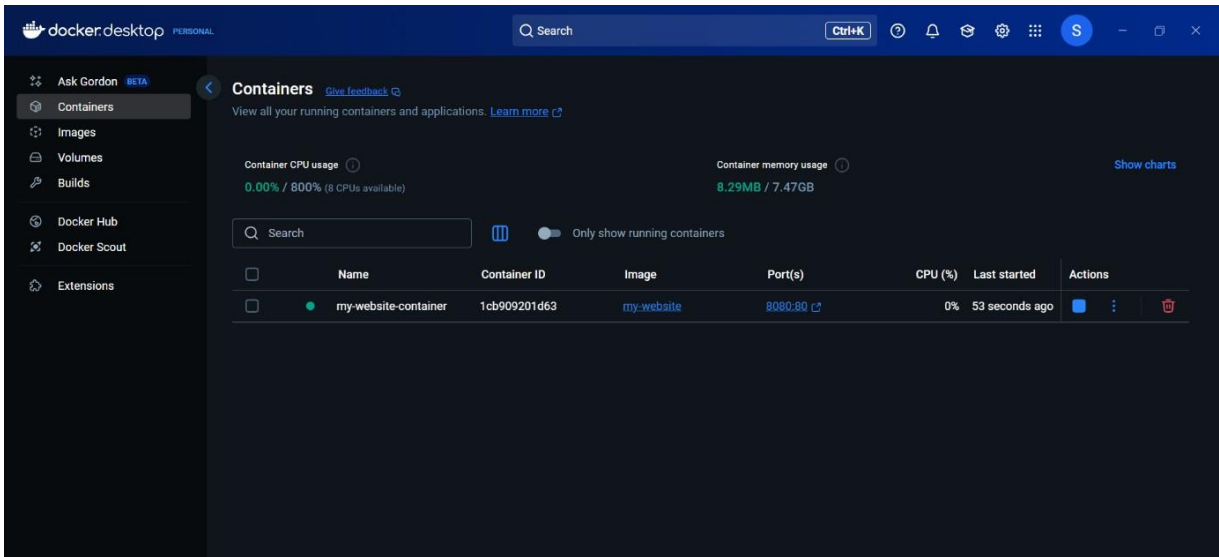
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/xa0eedqju9w57rrug1azbnw0u

```
C:\Users\gk252\Desktop\my-website>.
```

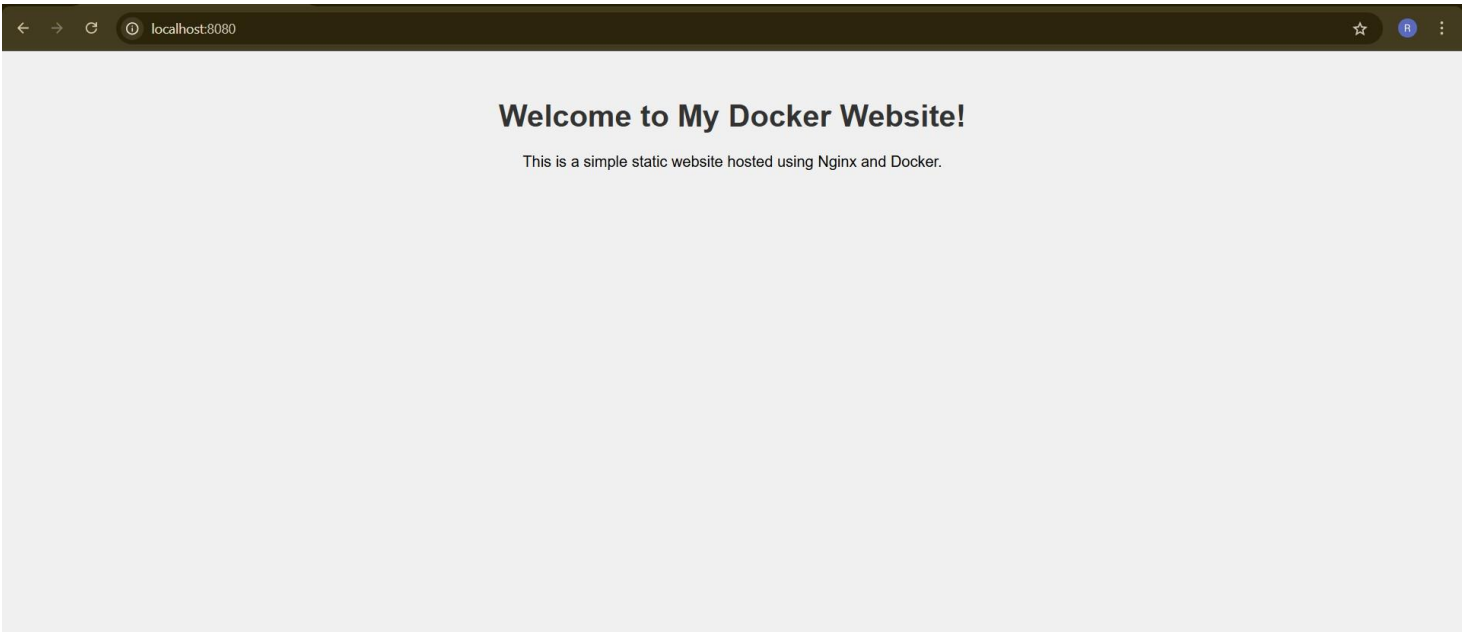
Docker desktop images :



Docker desktop containers :



Output :



Hosting a Basic Website with CSS, JS, BOOTSTRAP :

```
gk252@LAPTOP-EU08E78U MINGW64 ~/Desktop/my-website (master)
$ mkdir my-bootstarp-website

gk252@LAPTOP-EU08E78U MINGW64 ~/Desktop/my-website (master)
$ cd my-bootstarp-website/

gk252@LAPTOP-EU08E78U MINGW64 ~/Desktop/my-website/my-bootstarp-website (master)
$ touch Dockerfile
bash: touch: command not found

gk252@LAPTOP-EU08E78U MINGW64 ~/Desktop/my-website/my-bootstarp-website (master)
$ touch Dockerfile

gk252@LAPTOP-EU08E78U MINGW64 ~/Desktop/my-website/my-bootstarp-website (master)
$ touch style.css

gk252@LAPTOP-EU08E78U MINGW64 ~/Desktop/my-website/my-bootstarp-website (master)
$ touch script.js

gk252@LAPTOP-EU08E78U MINGW64 ~/Desktop/my-website/my-bootstarp-website (master)
$ ls
Dockerfile  script.js  style.css

gk252@LAPTOP-EU08E78U MINGW64 ~/Desktop/my-website/my-bootstarp-website (master)
$ |
```

```
Microsoft Windows [Version 10.0.19045.5737]
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C:\Users\gk252>cd Desktop

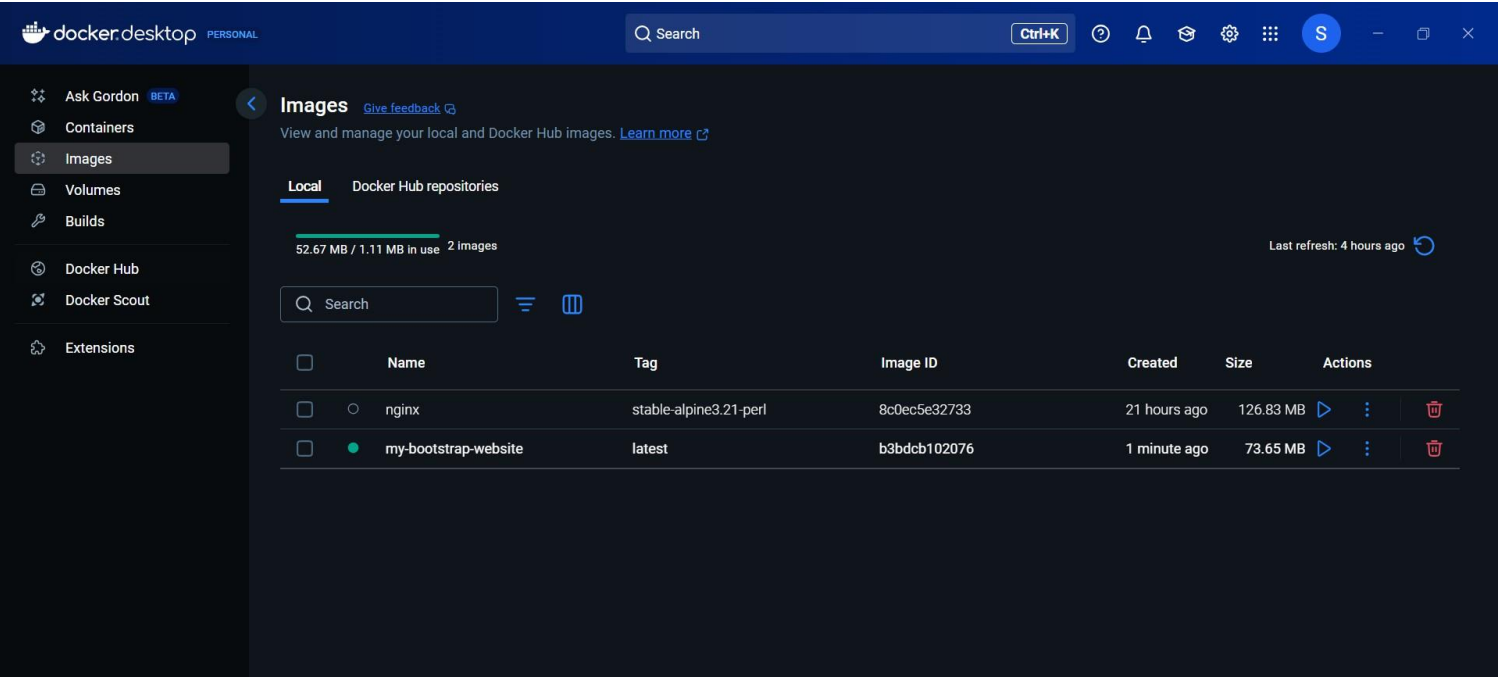
C:\Users\gk252\Desktop>cd my-website

C:\Users\gk252\Desktop\my-website>docker build -t my-website .
[+] Building 15.8s (8/8) FINISHED                                docker:desktop-linux
=> [internal] load build definition from Dockerfile              0.1s
=> => transferring dockerfile: 341B                               0.0s
=> [internal] load metadata for docker.io/library/nginx:alpine  5.2s
=> [auth] library/nginx:pull token for registry-1.docker.io     0.0s
=> [internal] load .dockerignore                                  0.0s
=> => transferring context: 2B                                     0.0s
=> [internal] load build context                                  0.0s
=> => transferring context: 644B                                    0.0s
=> [1/2] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f 9.9s
=> resolve docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f 0.0s
=> sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17a54ef4b76fb8e2f2a10 10.33kB / 10.33kB 0.0s
=> sha256:61ca4f733c802afd9e05a32f0de0361b6d713b8b53292dc15fb093229f648674 1.79MB / 1.79MB 4.1s
=> sha256:b464cfd2a6319875aeb27359ec549790ce14d8214fcb16ef915e4530e5ed235 629B / 629B 1.1s
=> sha256:62223d644fa234c3a1cc785ee14242ec477364226f1c811d2f669f96dc2ac8 2.50kB / 2.50kB 0.0s
=> sha256:6769dc3a703c719c1d2756bda113659be28ae16cf0da58dd5fd823d6b9a050ea 10.79kB / 10.79kB 0.0s
=> sha256:d7e5070240863957ebb0b5a44a5729963c3462666baa2947d00628cb5f2d5773 955B / 955B 1.4s
=> sha256:81bd8ed7ec6789b0cb7f1b47ee731c522f6dba83201ec73cd6bca1350f582948 402B / 402B 1.6s
=> sha256:197eb75867ef4fcedc4724f17b0972ab0489436860a594a9445f8eaff8155053 1.21kB / 1.21kB 2.2s
=> sha256:34a64644b756511a2e217f0508e11d1a572085d66cd6dc9a555a082ad49a3102 1.40kB / 1.40kB 2.2s
=> sha256:39c2ddfd6010082a4a646e7ca44e95aca9b3faebc00f17f7ccc2954004f2a7d 15.52MB / 15.52MB 9.0s
=> extracting sha256:61ca4f733c802afd9e05a32f0de0361b6d713b8b53292dc15fb093229f648674 0.1s
=> extracting sha256:b464cfd2a6319875aeb27359ec549790ce14d8214fcb16ef915e4530e5ed235 0.0s
=> extracting sha256:d7e5070240863957ebb0b5a44a5729963c3462666baa2947d00628cb5f2d5773 0.0s
=> extracting sha256:81bd8ed7ec6789b0cb7f1b47ee731c522f6dba83201ec73cd6bca1350f582948 0.0s
=> extracting sha256:197eb75867ef4fcedc4724f17b0972ab0489436860a594a9445f8eaff8155053 0.0s
=> extracting sha256:34a64644b756511a2e217f0508e11d1a572085d66cd6dc9a555a082ad49a3102 0.0s
=> extracting sha256:39c2ddfd6010082a4a646e7ca44e95aca9b3faebc00f17f7ccc2954004f2a7d 0.5s
=> [2/2] COPY index.html /usr/share/nginx/html/index.html      0.4s
=> exporting to image                                             0.1s
=> exporting layers                                              0.0s
=> writing image sha256:47ebe27eb38f46f1ff8d7dcafb0c85a783f892703b0578e8c358e4f286c8f2ec7 0.0s
=> naming to docker.io/library/my-website                       0.0s
```

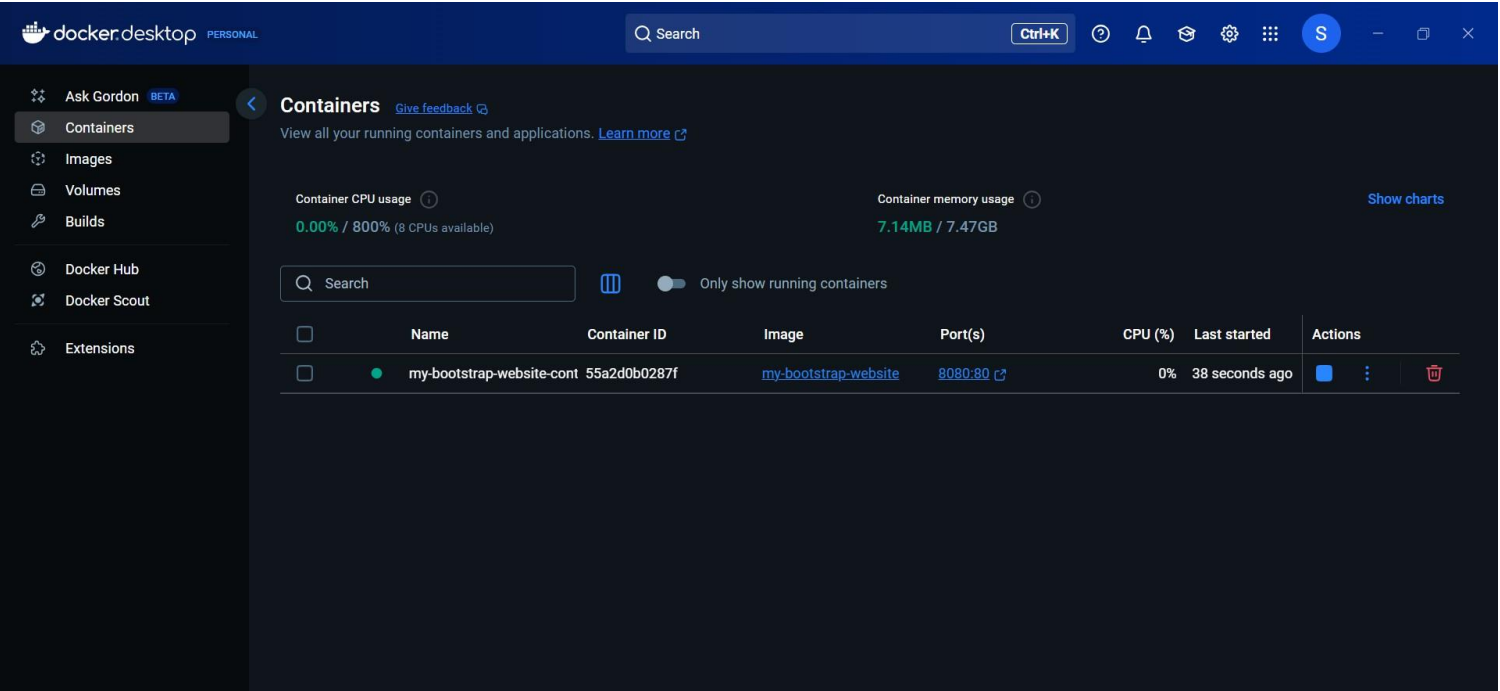
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/xa0eedqju9w57rrug1azbnw0u

C:\Users\gk252\Desktop\my-website>

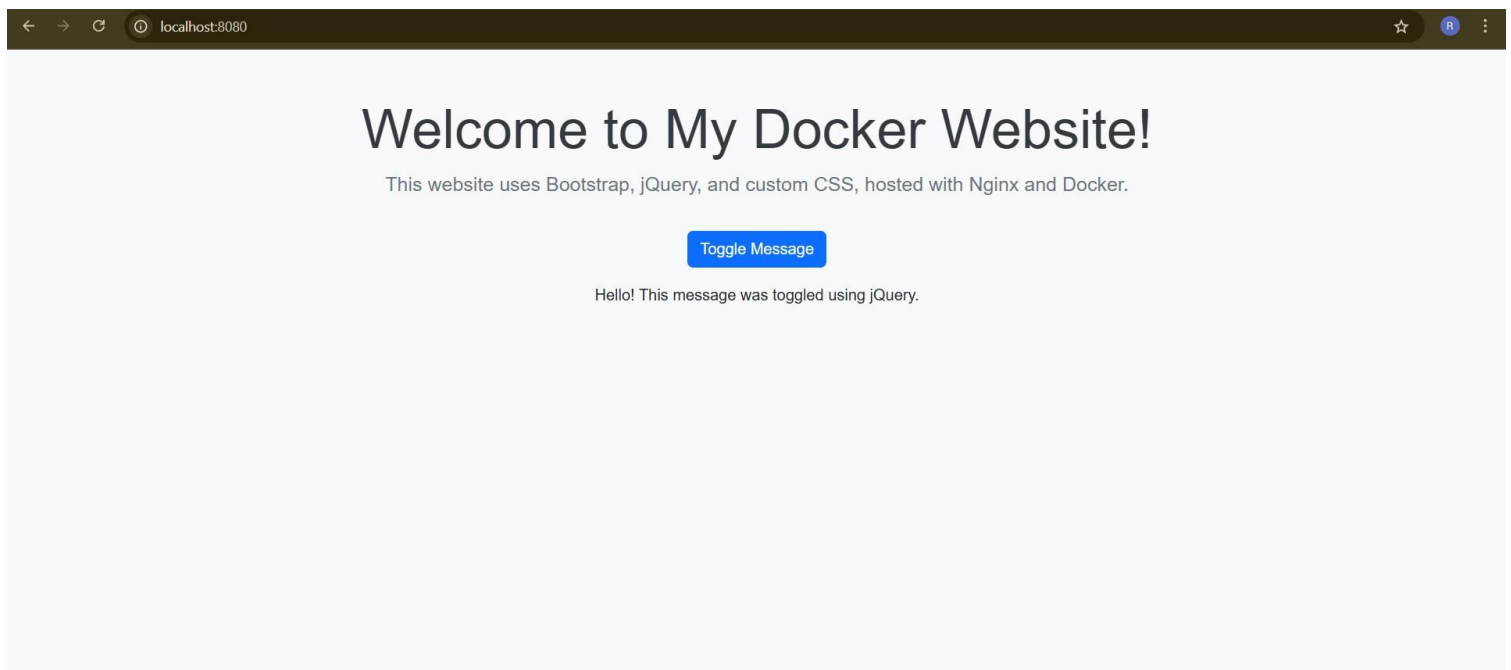
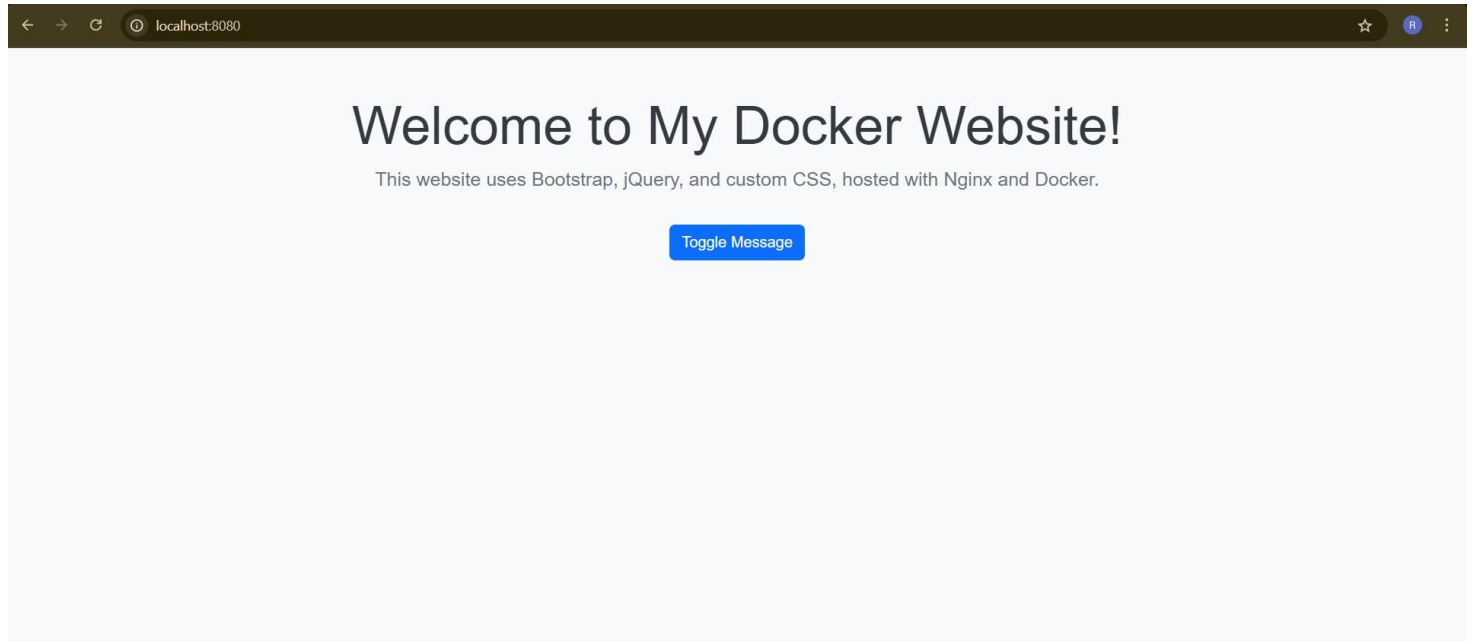
Docker desktop Images :



Docker desktop Containers :



Output :



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