Exercise_1&2

Hosting a Basic Website with Docker Desktop :

```
MINGW64:/c/Users/shail/OneDrive/Desktop/website/my-website

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website
$ mkdir my-website

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website
$ cd my-website/

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website/my-website
$ touch Dockerfile

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website/my-website
$ touch index.html

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website/my-website
$ ls
Dockerfile   index.html
```

```
MINGW64:/c/Users/shail/OneDrive/Desktop/website/my-website                                              —  □  ✕

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website/my-website
$ docker build -t my-website .
[+] Building 4.3s (8/8) FINISHED                                                   docker:desktop-linux
 => [internal] load build definition from Dockerfile                                               0.0s
 => => transferring dockerfile: 343B                                                               0.0s
 => [internal] load metadata for docker.io/library/nginx:alpine                                    3.6s
 => [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: 645B                                                                  0.0s
 => CACHED [1/2] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18d  0.0s
 => => resolve docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17  0.0s
 => [2/2] COPY index.html /usr/share/nginx/html/index.html                                         0.1s
 => exporting to image                                                                             0.3s
 => => exporting layers                                                                            0.1s
 => => exporting manifest sha256:bd95aa7fa2e54a56b92a955b4e270e7ba04840d29a9f645e65349d3b812473f5   0.0s
 => => exporting config sha256:befd92fabc8ac6ea2a700839e4061b747f1646f53bc5b478d50575f772e3ada8    0.0s
 => => exporting attestation manifest sha256:0936ef4899bb8bbb2ba86ab39c9e0fd3a382e22e2095cef107af3  0.0s
 => => exporting manifest list sha256:b61d00cbf561e53028043d00c58b3f6fbe0576c3ef533677169caa637a00  0.0s
 => => naming to docker.io/library/my-website:latest                                               0.0s
 => => unpacking to docker.io/library/my-website:latest                                            0.1s

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/cg148ssmo6pci1wys3938rls
r

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website/my-website
$ docker run -d -p 8080:80 --name my-website-container my-website
1cb909201d63f158d5b62e0ef2c60fef13b873a07eb7eb59658fb88af37fb69b
```
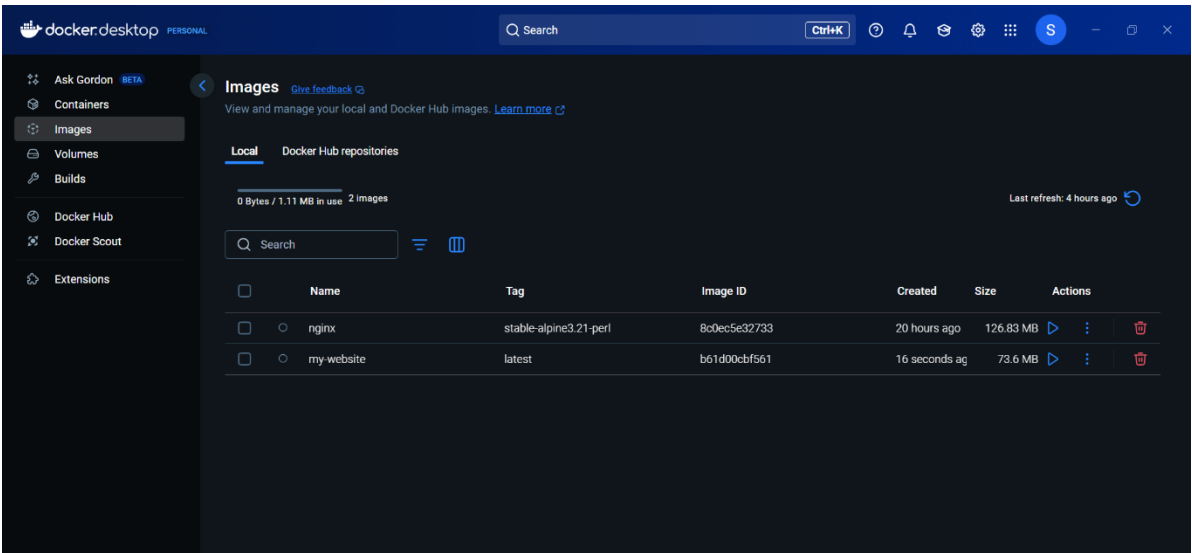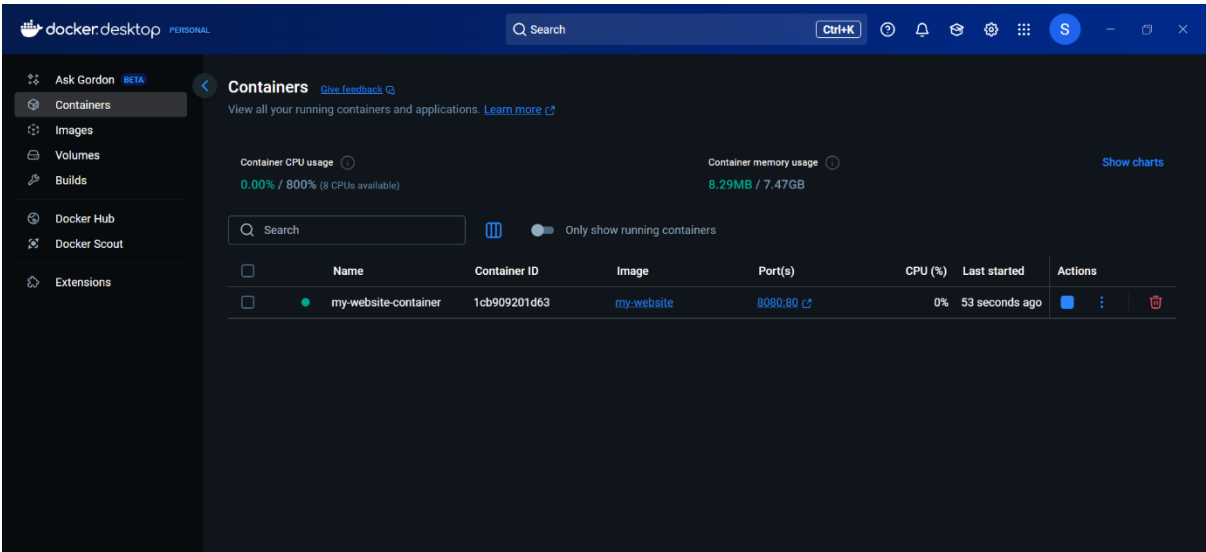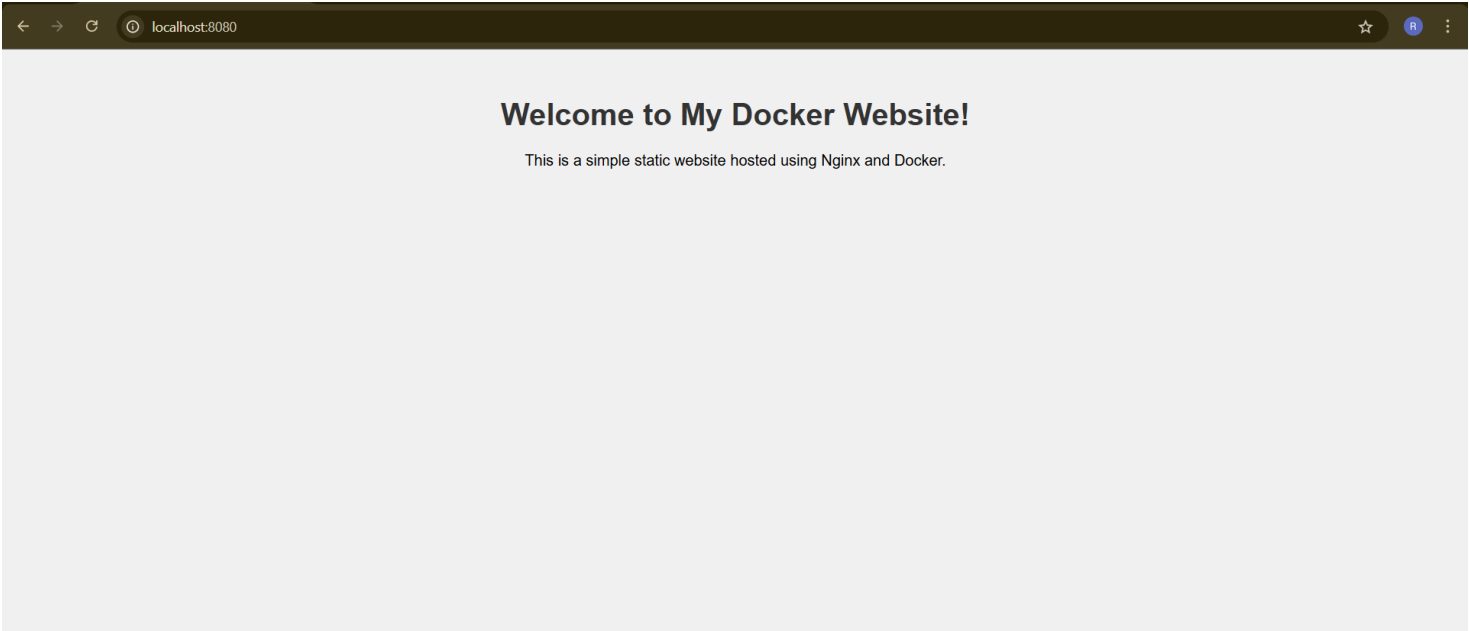
Docker desktop images :

Docker desktop containers :

Output :

Hosting a Basic Website with CSS, JS, BOOTSTRAP :

```
MINGW64:/c/Users/shail/OneDrive/Desktop/website/my-bootstrap-website

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website
$ mkdir my-bootstrap-website

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website
$ cd my-bootstrap-website/

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website/my-bootstrap-website
$ touch Dockerfile

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website/my-bootstrap-website
$ touch index.html

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website/my-bootstrap-website
$ touch styles.css

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website/my-bootstrap-website
$ touch script.js

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website/my-bootstrap-website
$ ls
Dockerfile   index.html   script.js   styles.css
```
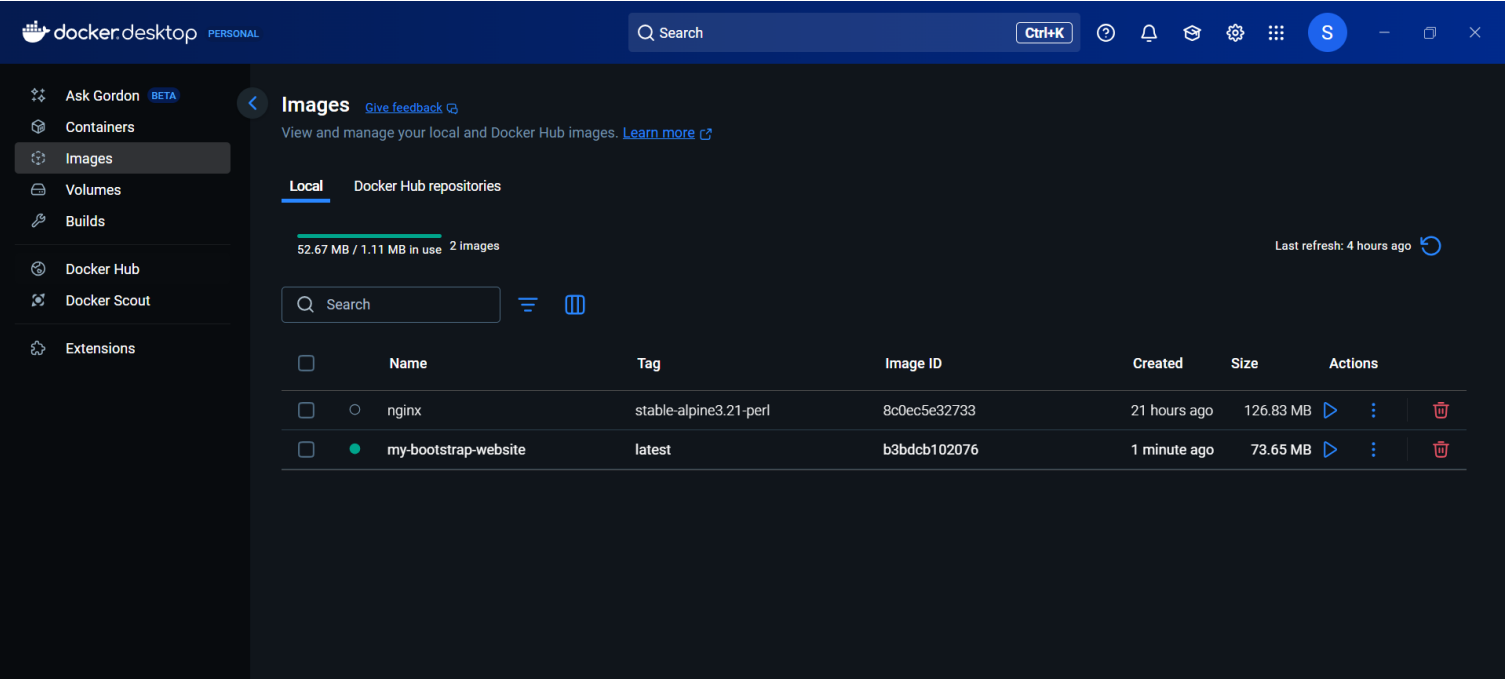
```
MINGW64:/c/Users/shail/OneDrive/Desktop/website/my-bootstrap-website

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website/my-bootstrap-website
$ docker build -t my-bootstrap-website .
[+] Building 3.0s (10/10) FINISHED                                          docker:desktop-linux
 => [internal] load build definition from Dockerfile                                        0.0s
 => => transferring dockerfile: 410B                                                        0.0s
 => [internal] load metadata for docker.io/library/nginx:alpine                             2.2s
 => [auth] library/nginx:pull token for registry-1.docker.io                                0.0s
 => [internal] load .dockerignore                                                           0.0s
 => => transferring context: 2B                                                             0.0s
 => CACHED [1/4] FROM docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18d  0.0s
 => => resolve docker.io/library/nginx:alpine@sha256:65645c7bb6a0661892a8b03b89d0743208a18dd2f3f17  0.0s
 => [internal] load build context                                                           0.1s
 => => transferring context: 1.61kB                                                         0.0s
 => [2/4] COPY index.html /usr/share/nginx/html/                                            0.1s
 => [3/4] COPY styles.css /usr/share/nginx/html/                                            0.1s
 => [4/4] COPY script.js /usr/share/nginx/html/                                             0.1s
 => exporting to image                                                                      0.4s
 => => exporting layers                                                                     0.2s
 => => exporting manifest sha256:00f2ab5ad39bcb728187f851e32cb9775f8830c5a12073ef25aa3e2a467de562  0.0s
 => => exporting config sha256:6776d8a1d7b81ea35e849368ad6d133e97eb61a415527ca2c15a47c05ac58350  0.0s
 => => exporting attestation manifest sha256:82764ffbc502f9b124f436f3b96d84a3e05325a6a320416933293  0.0s
 => => exporting manifest list sha256:b3bdcb102076804aeafd452d1dd08ef3c89954d65bc5e55cde94656b03df  0.0s
 => => naming to docker.io/library/my-bootstrap-website:latest                              0.0s
 => => unpacking to docker.io/library/my-bootstrap-website:latest                           0.1s

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/l6xnwq2qitb3ucmjccsxgmac
1

shail@SHAILEN-SUMAN MINGW64 ~/OneDrive/Desktop/website/my-bootstrap-website
$ docker run -d -p 8080:80 --name my-bootstrap-website-container my-bootstrap-website
55a2d0b0287f1ae576f3288b046f19d6656a666dc68f72d9ae544d93dce92fa0
```
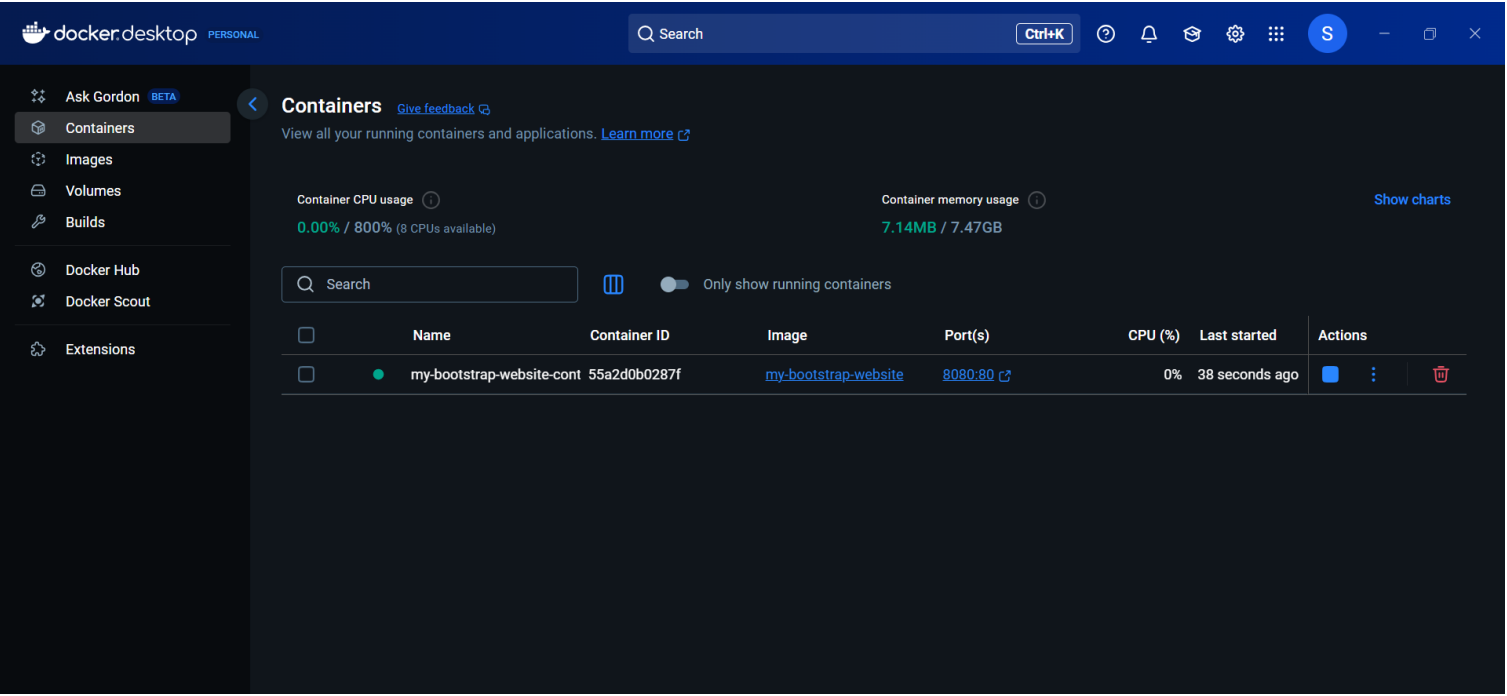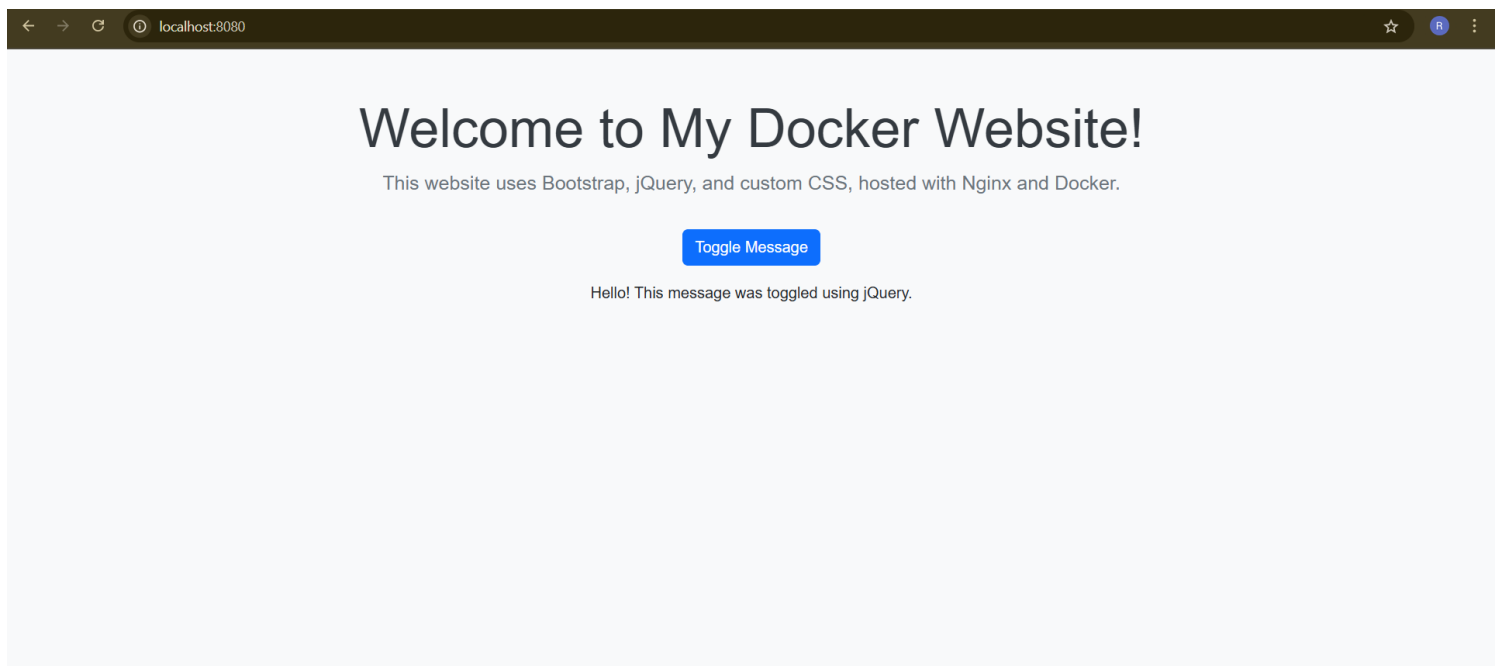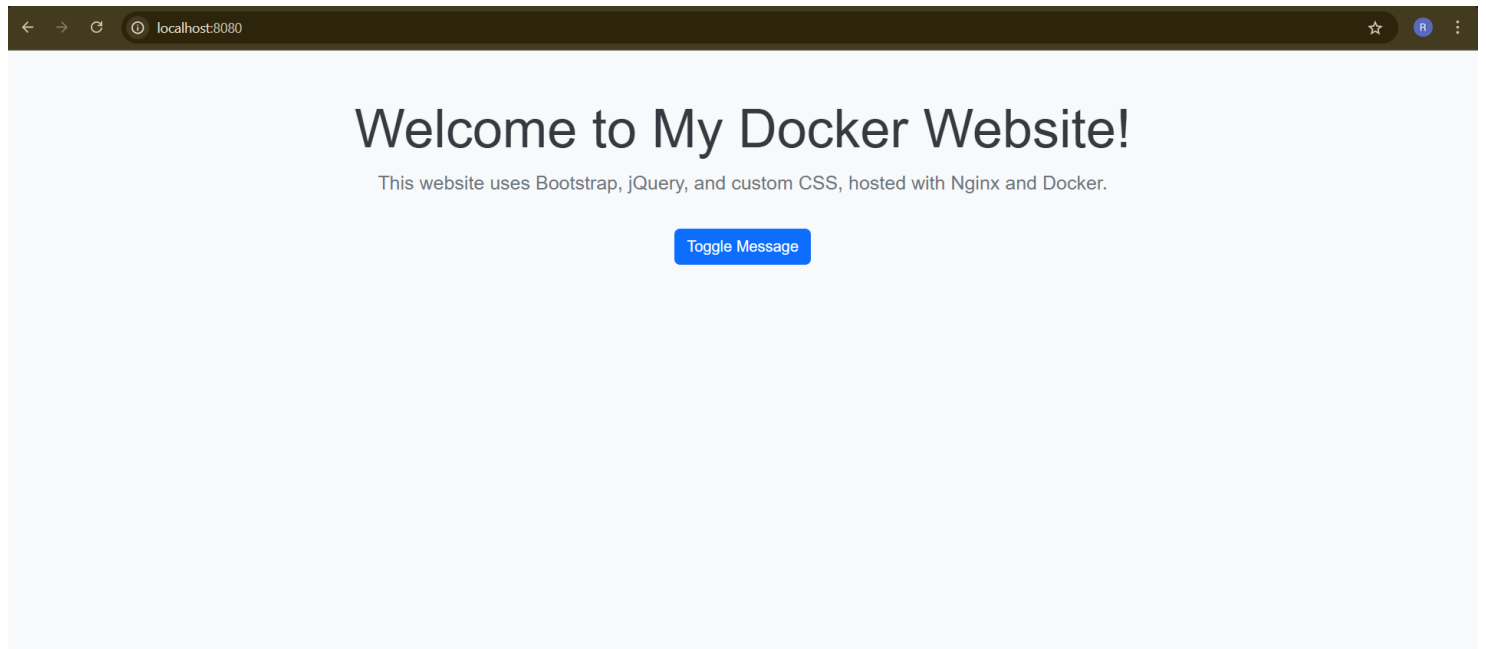
Docker desktop Images :

Docker desktop Containers :

Output :

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