Experiment No. 1.3

Student Name: Gaurav Kumar   **UID:** 22MCC20177

Branch: MCA – CCD   **Section/Group:** MCD-1/ Grp A

Semester: III   **Date of Performance:** 15th Oct 23

Subject Name: CONTAINERIZATION WITH DOCKER   **Subject Code:** 22CAH-742

1. Aim/Overview of the practical:

a) Deploy Docker images as stateless containers.

2. Code for practical:

Step 1 : Open Windows PowerShell as Administrator and login into it by running the command **docker login -u "username".**

```
PS C:\WINDOWS\system32> docker login -u GauravKumar
Password:
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more
ess-tokens/
PS C:\WINDOWS\system32>
```

Step 2 : Use docker run command to run nginx.

docker run --name nginx-webserver -p 80:80 nginx

```
Administrator: Windows PowerShell                                    —  □  ×
PS C:\WINDOWS\system32> docker run --name nginx-webserver -p 80:80 nginx
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2023/08/30 20:05:50 [notice] 1#1: using the "epoll" event method
2023/08/30 20:05:50 [notice] 1#1: nginx/1.25.2
2023/08/30 20:05:50 [notice] 1#1: built by gcc 12.2.0 (Debian 12.2.0-14)
2023/08/30 20:05:50 [notice] 1#1: OS: Linux 5.15.90.1-microsoft-standard-WSL2
2023/08/30 20:05:50 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2023/08/30 20:05:50 [notice] 1#1: start worker processes
2023/08/30 20:05:50 [notice] 1#1: start worker process 29
2023/08/30 20:05:50 [notice] 1#1: start worker process 30
```

Output:

```
Welcome to nginx!

If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.
```