CAPSTONE-4

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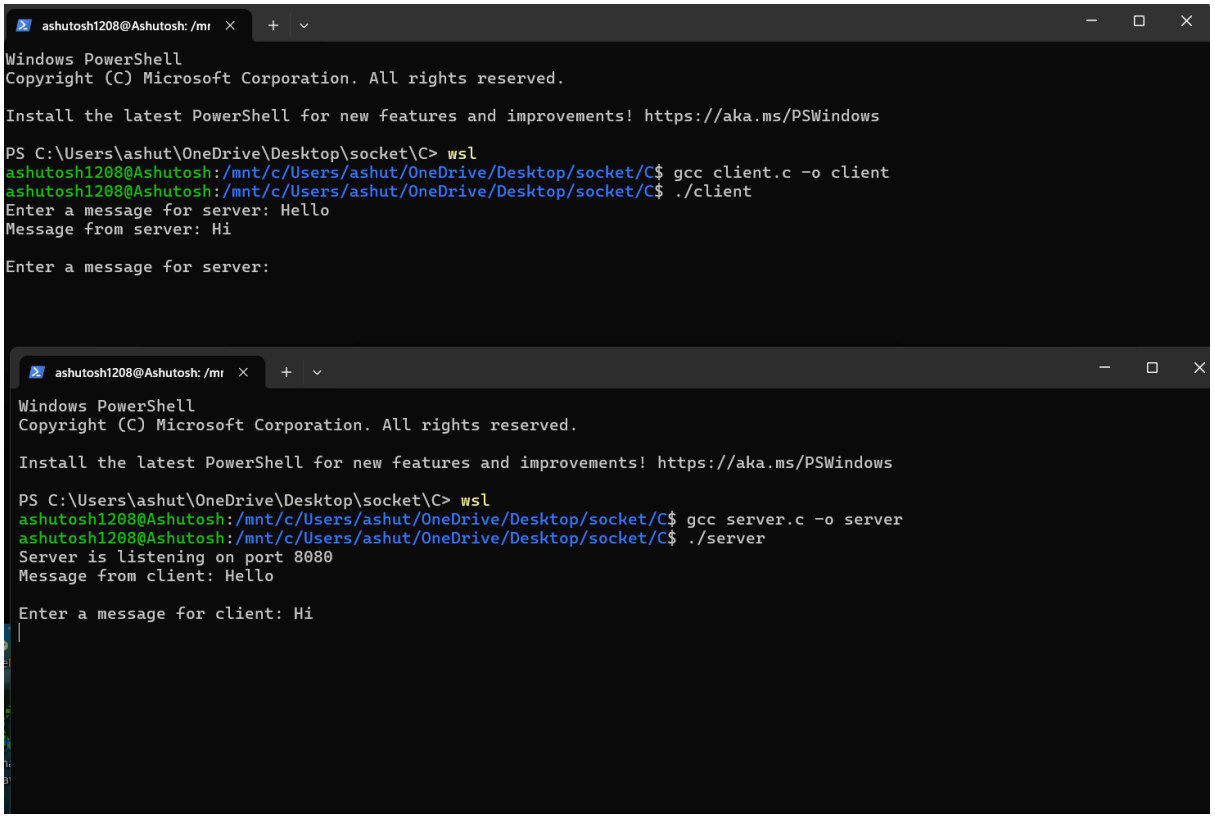
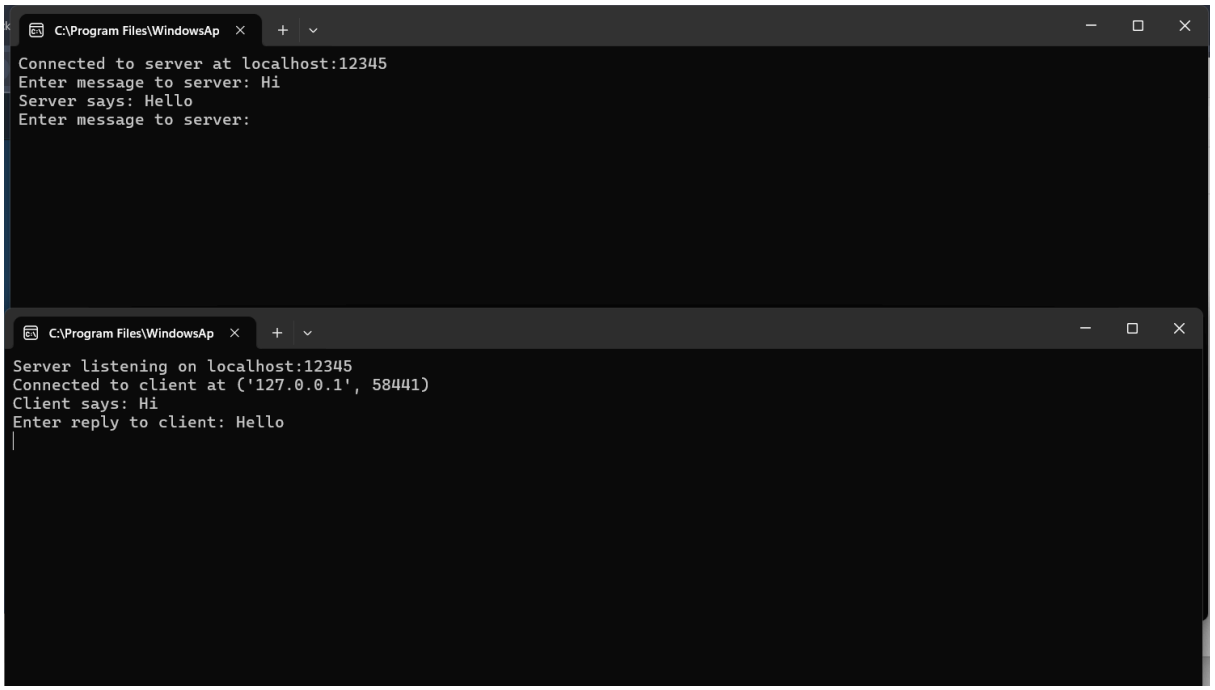
socket-local/c



socket-local/python



socket-docker/c

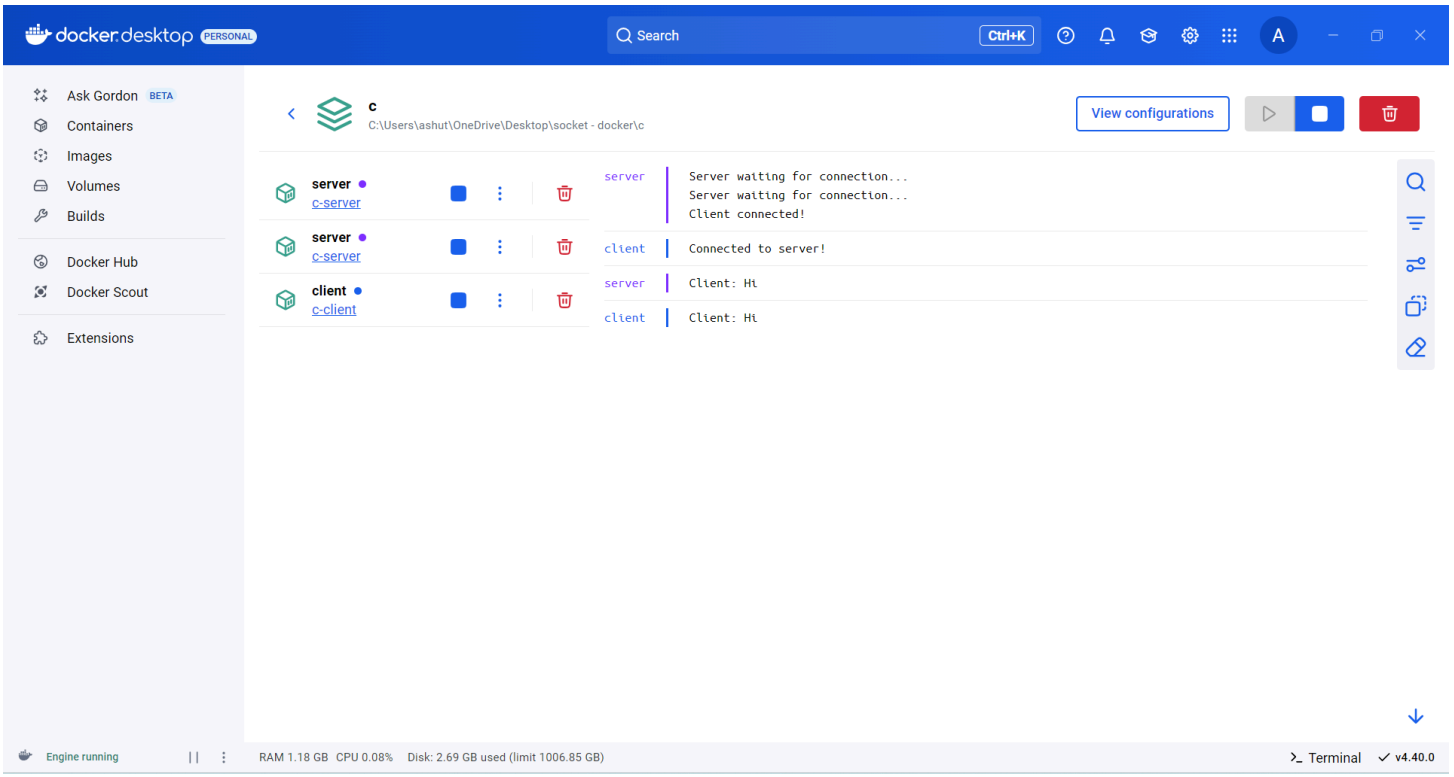
```
Command Prompt - docker-c

Microsoft Windows [Version 10.0.22631.5189]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ashut>cd "C:\Users\ashut\OneDrive\Desktop\socket - docker"

C:\Users\ashut\OneDrive\Desktop\socket - docker>cd c

C:\Users\ashut\OneDrive\Desktop\socket - docker\c>docker-compose run server
time="2025-04-10T13:02:48+05:30" level=warning msg="C:\\Users\\ashut\\OneDrive\\Desktop\\socket - docker\\c\\docker-compose.yml: the attribute `version` is
obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Creating 1/1
 ✔Network c_chatnet  Created                                                    0.1s
Server waiting for connection...
```

```
Command Prompt - docker-c

Microsoft Windows [Version 10.0.22631.5189]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ashut>cd "C:\Users\ashut\OneDrive\Desktop\socket - docker"

C:\Users\ashut\OneDrive\Desktop\socket - docker>cd c

C:\Users\ashut\OneDrive\Desktop\socket - docker\c>docker-compose run client
time="2025-04-10T13:03:13+05:30" level=warning msg="C:\\Users\\ashut\\OneDrive\\Desktop\\socket - docker\\c\\docker-compose.yml: the attribute `version` is
obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Creating 1/1
 ✔Container chat_server  Created                                                0.1s
[+] Running 1/1
 ✔Container chat_server  Started                                                0.2s
Connected to server!
Client: Hi
```

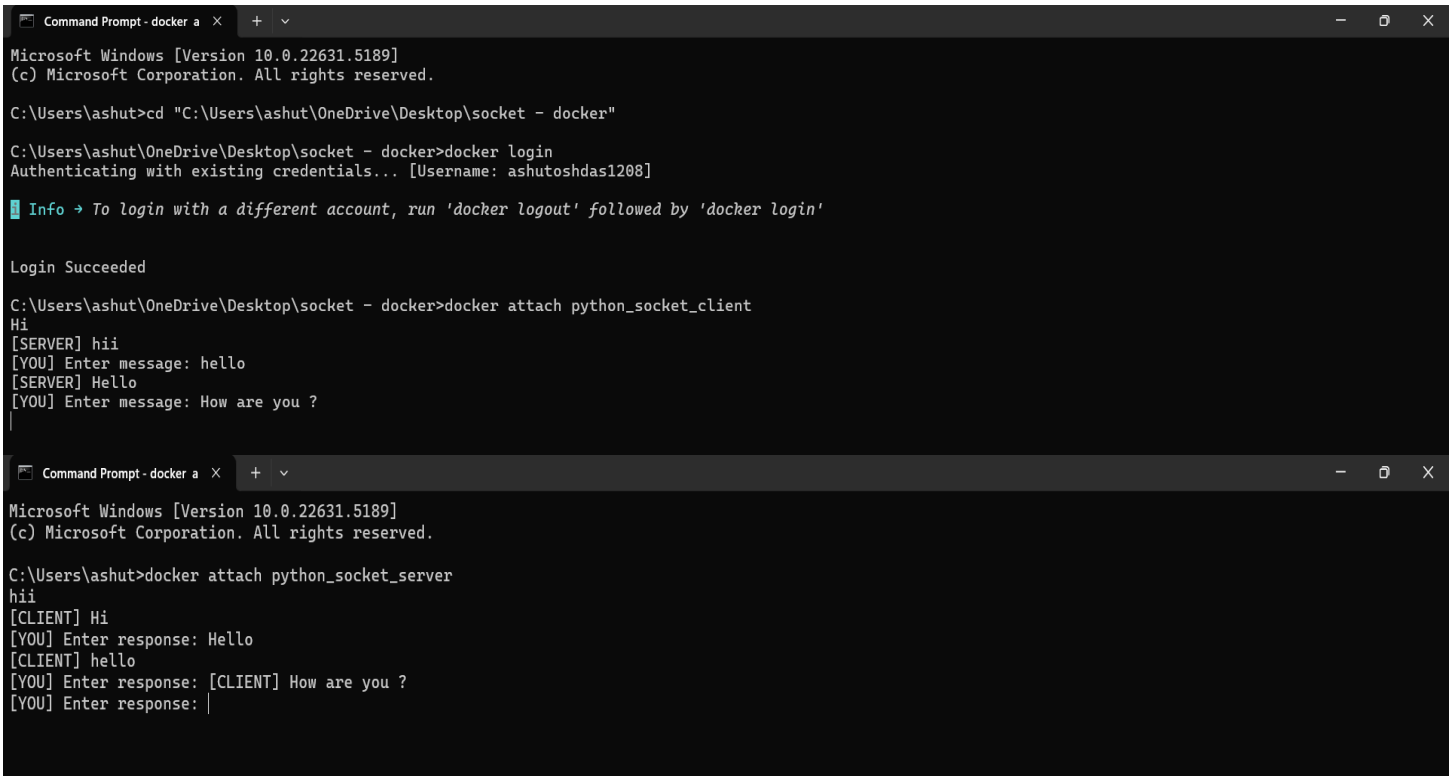
DOCKER BUILD (C)

```
Command Prompt

 => => sha256:54059b0e9deabd432ff3bca1bc50c101f9ba8d8dc8bb5528ac71276d17e04f01 7.34kB / 7.34kB                0.0s
 => => sha256:a0fcfad35b187f556943bae42047e6b09c6a79788921825df88a820773ec0ecb 2.81MB / 2.81MB                3.2s
 => => sha256:8b77cd7514d65ebffdfc56971b896c1e9f0067d45e9ffcfc96a76802cbd596d6 9.61kB / 9.61kB                0.4s
 => => sha256:14dab890a5a7098e80e5a9e0aaada5aee291140632734b72e0e702798d8dea5d 2.49kB / 2.49kB                0.0s
 => => sha256:ea589c0b318a435eaaa443207f64cbb47ec482575de53c1b3ad00642ab59c4b4 1.78kB / 1.78kB                1.9s
 => => extracting sha256:a0fcfad35b187f556943bae42047e6b09c6a79788921825df88a820773ec0ecb                     0.1s
 => => extracting sha256:e4dd9c002dd2bb0fbb6de1f18a350e5c0aeabcc16e0fa702c1aba0c09c9936cd                     4.0s
 => => extracting sha256:8b77cd7514d65ebffdfc56971b896c1e9f0067d45e9ffcfc96a76802cbd596d6                     0.0s
 => => extracting sha256:ea589c0b318a435eaaa443207f64cbb47ec482575de53c1b3ad00642ab59c4b4                     0.0s
 => [server internal] load build context                                                                     0.0s
 => => transferring context: 2.93kB                                                                          0.0s
 => CACHED [client 2/6] WORKDIR /app                                                                         0.2s
 => [server 3/6] COPY server.c .                                                                             0.0s
 => [server 4/6] COPY client.c .                                                                             0.0s
 => [server 5/6] RUN gcc -o server server.c                                                                  0.4s
 => [server 6/6] RUN gcc -o client client.c                                                                  0.5s
 => [server] exporting to image                                                                              0.1s
 => => exporting layers                                                                                      0.1s
 => => writing image sha256:94bb109084da703f26c5bb6ff8cc346f45d12eb2166d0f7e9a638d2ea5c31ced                 0.0s
 => => naming to docker.io/library/c-server                                                                  0.0s
 => [server] resolving provenance for metadata file                                                          0.0s
 => [client internal] load build definition from Dockerfile                                                  0.0s
 => => transferring dockerfile: 291B                                                                         0.0s
 => [client internal] load .dockerignore                                                                     1.1s
 => => transferring context: 2B                                                                              0.0s
 => [client internal] load build context                                                                     0.0s
 => => transferring context: 58B                                                                             0.0s
 => CACHED [client 3/6] COPY server.c .                                                                      0.0s
 => CACHED [client 4/6] COPY client.c .                                                                      0.0s
 => CACHED [client 5/6] RUN gcc -o server server.c                                                           0.0s
 => CACHED [client 6/6] RUN gcc -o client client.c                                                           0.0s
 => [client] exporting to image                                                                              0.0s
 => => exporting layers                                                                                      0.0s
 => => writing image sha256:545c6f064b31717b7c448cf8e2143b0c672a1e62c52676478c1de207a270a13c                 0.0s
 => => naming to docker.io/library/c-client                                                                  0.0s
 => [client] resolving provenance for metadata file                                                          0.0s
[+] Building 2/2
 ✔client  Built                                                                                             0.0s
 ✔server  Built                                                                                             0.0s

C:\Users\ashut\OneDrive\Desktop\socket - docker\c>
```

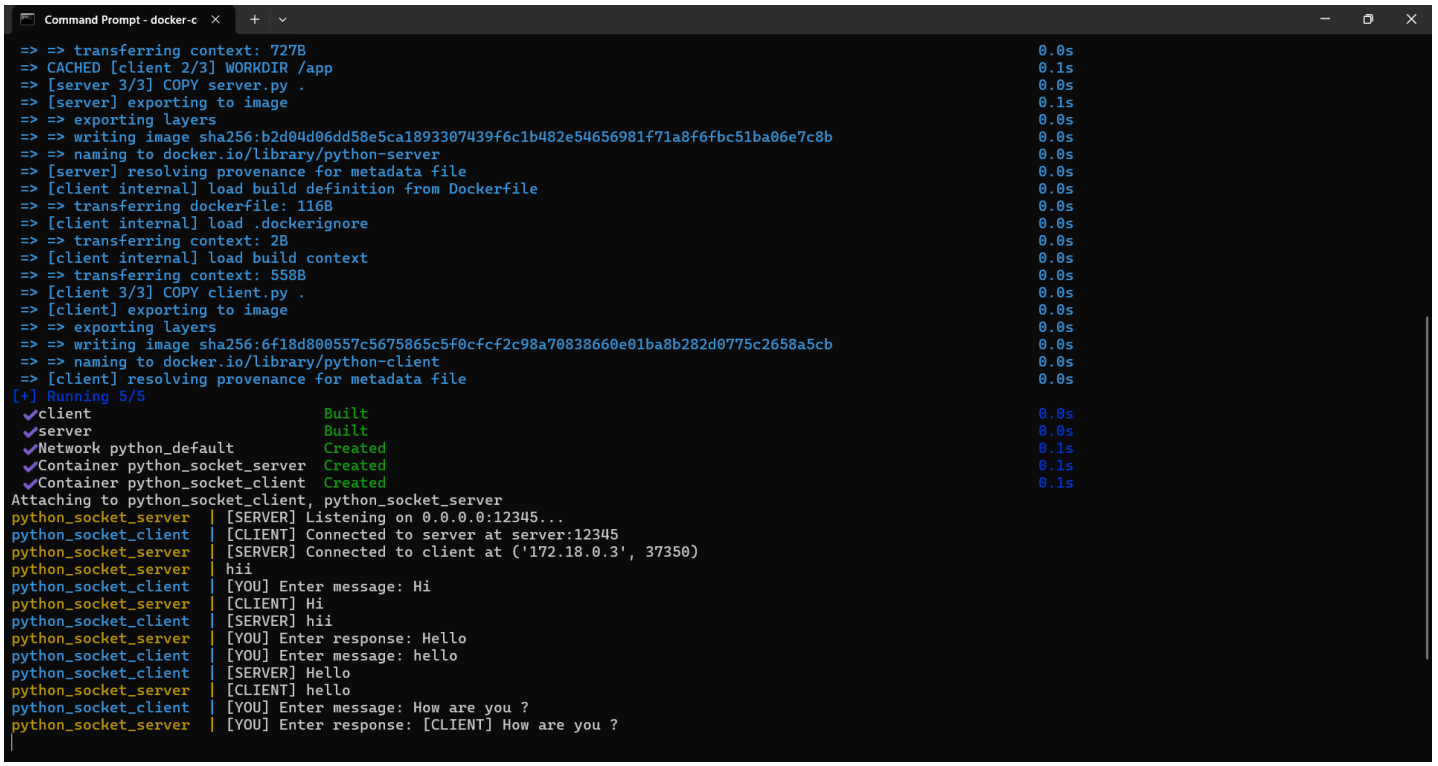
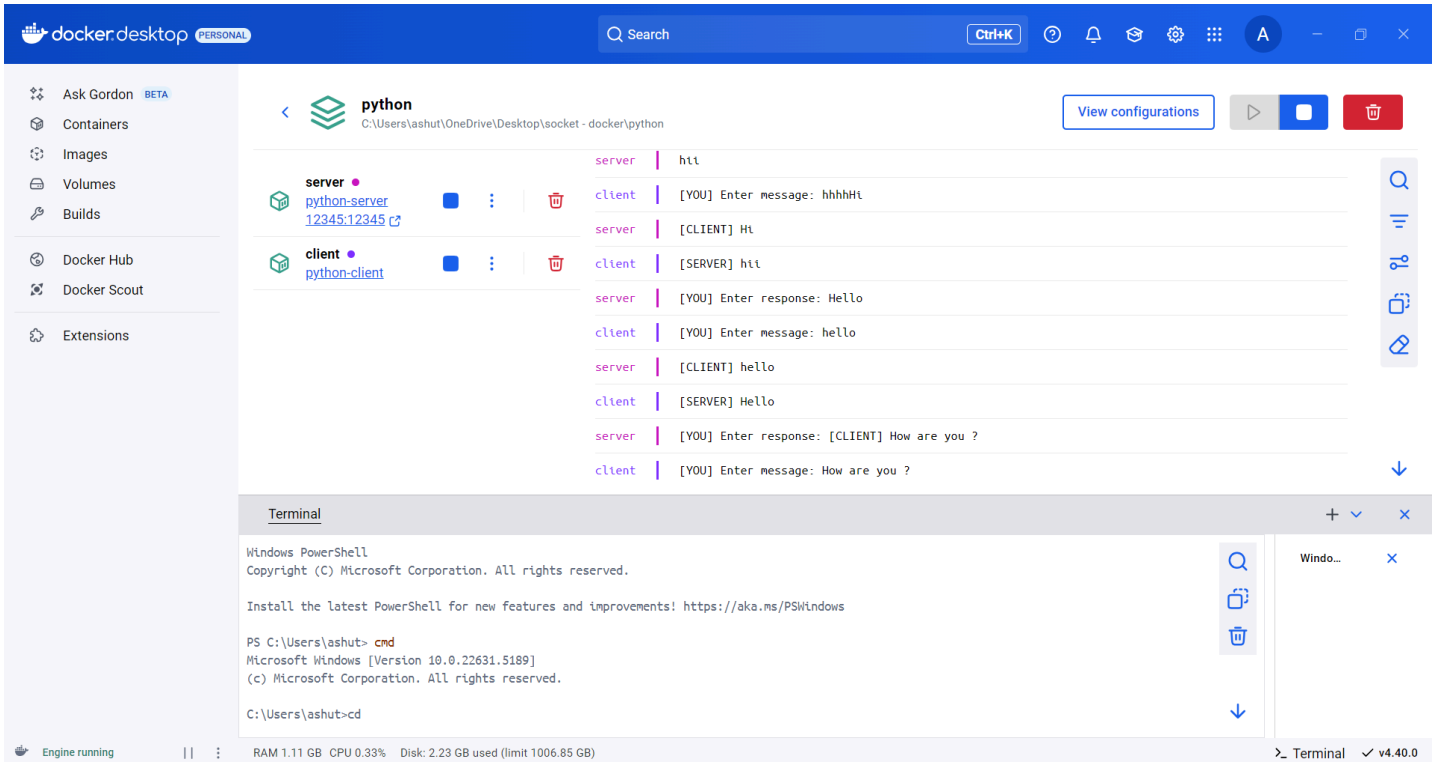
DOCKER DESKTOP (C)



socket-docker/python



DOCKER BUILD (PYTHON)



DOCKER DESKTOP (PYTHON)