M2 - Exe 2:

```
eden@eden-VMware-Virtual-Platform:~/CLionProjects/ExeM2/Exe1$ ./atom_supplier 127.0.0.1 12345
Connected to server at 127.0.0.1:12345
Enter commands (e.g., ADD OXYGEN 2), Ctrl+D to quit:
ADD HYDROGEN 10
ADD OXYGEN 5
```

הלקוח מבקש להוסיף אטומים (שמרכיבים מים)

```
eden@eden-VMware-Virtual-Platform:~/CLionProjects/ExeM2/Exe2$ ./molecule_requester 127.0.0.1 12345
Enter molecule requests (e.g., DELIVER WATER 5). Type 'exit' to quit.
>>> DELIVER WATER 3
Server replied: DELIVERED
>>> exit
```

הלקוח מבקש להרכיב מים מהמחסן (יש את האטומים שצריך – הבקשה התקבלה)

```
eden@eden-VMware-Virtual-Platform:~/CLionProjects/ExeM2/Exe2$ ./molecule_requester 127.0.0.1 12345
Enter molecule requests (e.g., DELIVER WATER 5). Type 'exit' to quit.
>>> DELIVER WATER 3
Server replied: INSUFFICIENT ATOMS
>>> exit
```

הלקוח מבקש שום מים (הפעם אין במלאי את האטומים שצריך)

```
eden@eden-VMware-Virtual-Platform:~/CLionProjects/ExeM2/Exe2$ ./molecule_supplier -p 12345
molecule_supplier server started on port 12345
select timeout, no activity for 10 seconds
select timeout, no activity for 10 seconds
New TCP connection from 127.0.0.1:33574
select timeout, no activity for 10 seconds
Inventory => HYDROGEN: 10, OXYGEN: 0, CARBON: 0
Inventory => HYDROGEN: 10, OXYGEN: 5, CARBON: 0
select timeout, no activity for 10 seconds
select timeout, no activity for 10 seconds
select timeout, no activity for 10 seconds
select timeout, no activity for 10 seconds
select timeout, no activity for 10 seconds
Inventory => HYDROGEN: 4, OXYGEN: 2, CARBON: 0
UDP request: 'DELIVER WATER 3' → DELIVERED
```