Mync - Examples

Level 1:

```
• eylonkatan@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$ ./ttt 123456789
 1 2 3
 4 5 6
 7 8 9
 Machine Turn:
 X 2 3
 4 5 6
 7 8 9
 Enter your move:
 User Turn:
 X 0 3
 4 5 6
 7 8 9
 Machine Turn:
 Invalid - Already Occupied
 X O X
 4 5 6
 7 8 9
 Enter your move:
 User Turn:
 хох
 4 0 6
 7 8 9
 Machine Turn:
 X O X
 X 0 6
 7 8 9
 Enter your move:
 User Turn:
 x \circ x
 X 0 6
 709
 I lost
```

Level 2:

```
• eylonkatan@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$ ./mync -e "./ttt 123456789"
 4 5 6
 7 8 9
 Machine Turn:
 X 2 3
4 5 6
 7 8 9
 Enter your move:
 User Turn:
 X 0 3
 4 5 6
 7 8 9
 Machine Turn:
 Invalid - Already Occupied
 X O X
 4 5 6
 7 8 9
 Enter your move:
 User Turn:
 x \circ x
 4 0 6
 7 8 9
 Machine Turn:
 X O X
 X 0 6
 7 8 9
 Enter your move:
 User Turn:
 x \circ x
 X 0 6
 7 0 9
 I lost
```

Level 3:

```
eylonkatan@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$ ./mync -e "./ttt 123456789" -i
 TCPS4050
 Waiting for TCP connection...
 TCP sockfd: 4
 1 2 3
 4 5 6
 7 8 9
 Machine Turn:
 X 2 3
 4 5 6
 7 8 9
 Enter your move:
 User Turn:
 X 0 3
 4 5 6
 7 8 9
 Machine Turn:
 Invalid - Already Occupied
 x \circ x
 4 5 6
 7 8 9
 Enter your move:
 User Turn:
 x \circ x
 4 0 6
 7 8 9
 Machine Turn:
 x \circ x
 X 0 6
 7 8 9
 Enter your move:
User Turn:
 X O X
 X 0 6
 709
 I lost
```

```
    eylonkatan@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$ nc localhost 4050
2
5
8
```

```
• eylonkatan@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$ ./mync -e "./ttt 123456789" -o TCPClocalhost:4450
IP addresses for localhost:

    IPv4: 127.0.0.1
    IPv4: 127.0.0.1
    IPv4: 127.0.0.1
    ICP sockfd: 3
2
5
8
```

```
eylonkatan@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$ nc -1 -p 4450
1 2 3
4 5 6
7 8 9
Machine Turn:
X 2 3
4 5 6
7 8 9
Enter your move:
User Turn:
X 0 3
4 5 6
7 8 9
Machine Turn:
Invalid - Already Occupied
X 0 X
4 5 6
7 8 9
Enter your move:
User Turn:
X 0 X
4 0 6
7 8 9
Machine Turn:
x \circ x
X 0 6
7 8 9
Enter your move:
User Turn:
X 0 X
X 0 6
709
```

eylonkatan@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2\$./mync -e "./ttt 123456789" -b TCPS4060
 Waiting for TCP connection...
 TCP sockfd: 4

```
• eylonkatan@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$ nc localhost 4060
 1 2 3
 4 5 6
 7 8 9
 Machine Turn:
 X 2 3
 4 5 6
 7 8 9
 Enter your move:
 User Turn:
 X 0 3
 4 5 6
 7 8 9
 Machine Turn:
 Invalid - Already Occupied
 X O X
 4 5 6
 7 8 9
 Enter your move:
 User Turn:
 X O X
 4 0 6
 7 8 9
 Machine Turn:
 X O X
 X 0 6
 7 8 9
 Enter your move:
 User Turn:
 X O X
 X 0 6
 709
 I lost
```

Level 3.5:

```
O eylonkatan@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$ ./mync' -i TCPS4050 -o TCPClocalhost:4455
Waiting for TCP connection...
TCP sockfd: 4
IP addresses for localhost:

IPv4: 127.0.0.1
IPv4: 127.0.0.1
TCP sockfd: 5
parseCommand._i: 1
parseCommand._o: 1
```

Level 4:

```
OperatingSystems_Ex2 on | main via C v14.1.1-gcc ) ./mync -e "./ttt 123456789" -i UDPS4050
 UDP sockfd: 3
1 2 3
4 5 6
7 8 9
Machine Turn:
X 2 3
4 5 6
7 8 9
Enter your move:
User Turn:
X 0 3
4 5 6
 789
 Machine Turn:
Invalid - Already Occupied
X 0 X
4 5 6
7 8 9
Enter your move:
User Turn:
X O X
4 O 6
7 8 9
Machine Turn:
X 0 X
X 0 6
7 8 9
Enter your move:
User Turn:
X 0 X
X 0 6
7 0 9
    lost
```

```
OperatingSystems_Ex2 on | main via C v14.1.1-gcc

) nc -u localhost 4050

2

5

8
```

Level 6:

```
OperatingSystems_Ex2 on $\forall \text{ main via C v14.1.1-gcc} \) ./mync -e "./ttt 123456789" -i UDSCS/tmp/sock
OperatingSystems_Ex2 on 🏿 main via C v14.1.1-gcc took 1m52s
  ./mync -e "./ttt 123456789" -i UDSSS/tmp/socket
1 2 3
4 5 6
                                                                     Trying to connect...
                                                                                                                                     OperatingSystems_Ex2 on property main via C v14.1.1-gcc
) ./mync -e "./ttt 123456789" -i UDSSD/tmp/socket
1 2 3
4 5 6
7 8 9
                                                                     Connected.
7 8 9
                                                                     1 2 3
                                                                     4 5 6
                                                                     7 8 9
Machine Turn:
X 2 3
4 5 6
                                                                     Machine Turn:
7 8 9
                                                                     X 2 3
                                                                     4 5 6
                                                                                                                                      Machine Turn:
                                                                     7 8 9
                                                                                                                                      X 2 3
4 5 6
Enter your move:
User Turn:
                                                                                                                                      7 8 9
X 0 3
                                                                     Enter your move:
4 5 6
                                                                     User Turn:
                                                                                                                                                                            I
                                                                                                                                      Enter your move:
7 8 9
                                                                     X 0 3
                                                                                                                                      User Turn:
                                                                     4 5 6
                                                                                                                                      X 0 3
4 5 6
                                                                     7 8 9
Machine Turn:
Invalid - Already Occupied
                                                                                                                                      7 8 9
X O X
                                                                     Machine Turn:
4 5 6
7 8 9
                                                                     Invalid - Already Occupied
                                                                                                                                      Machine Turn:
                                                                                                                                      Invalid - Already Occupied
                                                                     X O X
                                                                                                                                      X O X
                                                                     4 5 6
                                                                                                                                      4 5 6
7 8 9
                                                                     7 8 9
Enter your move:
User Turn:
X 0 X
4 0 6
                                                                     Enter your move:
                                                                                                                                      Enter your move:
                                                                     User Turn:
                                                                                                                                      User Turn:
                                                                     X 0 X
4 0 6
7 8 9
                                                                                                                                      X O X
                                                                                                                                      406
                                                                     7 8 9
                                                                                                                                      7 8 9
Machine Turn:
X O X
                                                                                                                                      Machine Turn:
                                                                     Machine Turn:
X 0 6
                                                                                                                                      X 0 X
X 0 6
7 8 9
                                                                     X O X
7 8 9
                                                                     X 0 6
                                                                     7 8 9
Enter your move:
                                                                                                                                      Enter your move:
User Turn:
                                                                                                                                      User Turn:
                                                                     Enter your move:
X O X
                                                                                                                                      X \circ X
                                                                     User Turn:
X 0 6
                                                                                                                                      X 0 6
                                                                     x \circ x
709
                                                                                                                                      7 0 9
                                                                     X 0 0
                                                                     7 8 9
                                                                                                                                      I lost
I lost
```

```
via ® v22.3.0 via % v3.12.4
) socat - unix-listen:/tmp/sock
2
5
6
via ® v22.3.0 via % v3.12.4
) socat - unix-listen:/tmp/sock
2
5
6
via ® v22.3.0 via % v3.12.4
) socat - unix-listen:/tmp/sock
2
5
6
```