

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:
2
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:
5
User Turn:
X 0 X
4 0 6
7 8 9

Machine Turn:
X 0 X
X 0 6
7 8 9

Enter your move:
8
User Turn:
X 0 X
X 0 6
7 0 9

I lost
```

Level 2:

```
I lost
eylonkatan@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$ ./mync -e "./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:
2
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:
5
User Turn:
X 0 X
4 0 6
7 8 9

Machine Turn:
X 0 X
X 0 6
7 8 9

Enter your move:
8
User Turn:
X 0 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 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 0 X
X 0 6
7 8 9

Enter your move:
User Turn:
X 0 X
X 0 6
7 0 9

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
TCP sockfd: 3
2
5
8
```

```
eylonkatan@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$ nc -l -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 0 X
X 0 6
7 8 9

Enter your move:
User Turn:
X 0 X
X 0 6
7 0 9

Test
```

```
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:
2
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:
5
User Turn:
X 0 X
4 0 6
7 8 9

Machine Turn:
X 0 X
X 0 6
7 8 9

Enter your move:
8
User Turn:
X 0 X
X 0 6
7 0 9

T lost
```

Level 3.5:

```
eylonkatang@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$ ./myncl
-i TCP54050 -o TCPClocalhost:4455
Waiting for TCP connection...
TCP sockfd: 4
IP addresses for localhost:

IPv4: 127.0.0.1
IPv4: 127.0.0.1
IPv4: 127.0.0.1
TCP sockfd: 5
parseCommand_i: 1
parseCommand_o: 1
[]

eylonkatang@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$ nc -l -p 4455
hello
hello
hello
hello
hi there
[]

eylonkatang@LAPTOP-TL58K5Q0:~/cs/os/OperatingSystems_Ex2$
```

Level 4:

```
OperatingSystems_Ex2 on  main via C v14.1.1-gcc
) ./myncl -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
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 0 X
X 0 6
7 8 9

Enter your move:
User Turn:
X 0 X
X 0 6
7 0 9

I lost
```

```
OperatingSystems_Ex2 on  main via C v14.1.1-gcc
) nc -u localhost 4050
2
5
8
```

Level 6:

```
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
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 0 X
X 0 6
7 8 9

Enter your move:
User Turn:
X 0 X
X 0 6
7 0 9

I lost
```

```
OperatingSystems_Ex2 on  main via C v14.1.1-gcc
> ./mync -e "/ttt 123456789" -i UDSCS/tmp/sock
Trying to connect...
Connected.
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 0 X
X 0 6
7 8 9

Enter your move:
User Turn:
X 0 X
X 0 0
7 8 9
```

```
OperatingSystems_Ex2 on  main via C v14.1.1-gcc
> ./mync -e "/ttt 123456789" -i UDSSD/tmp/socket
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 0 X
X 0 6
7 8 9

Enter your move:
User Turn:
X 0 X
X 0 6
7 0 9

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 took 10s
> socat - /tmp/socket
2
5
8
```

