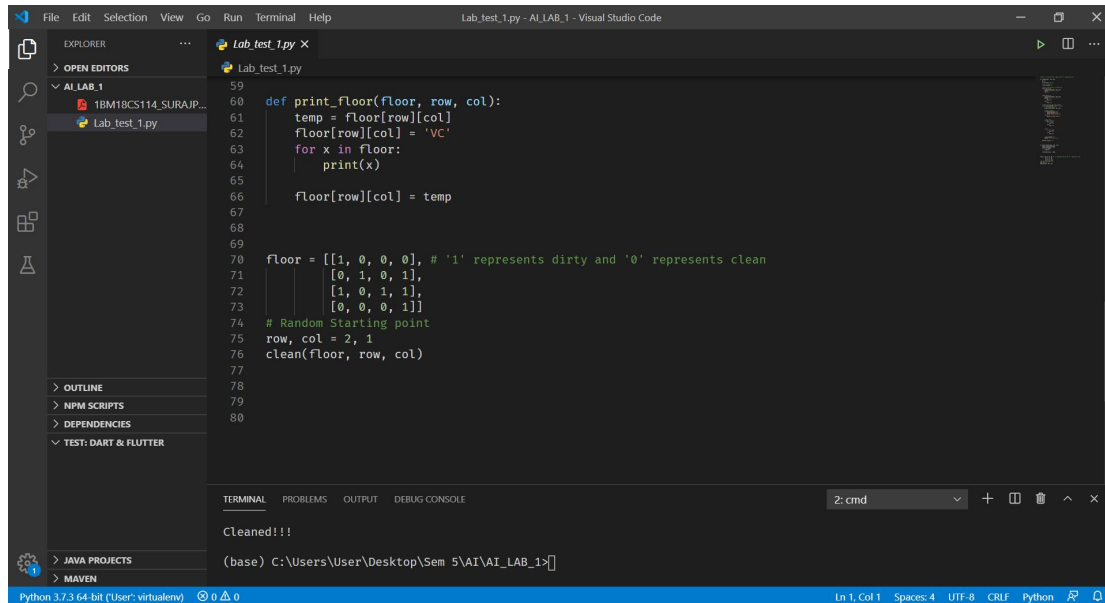


# Output

Random input 2, 1(row, col)



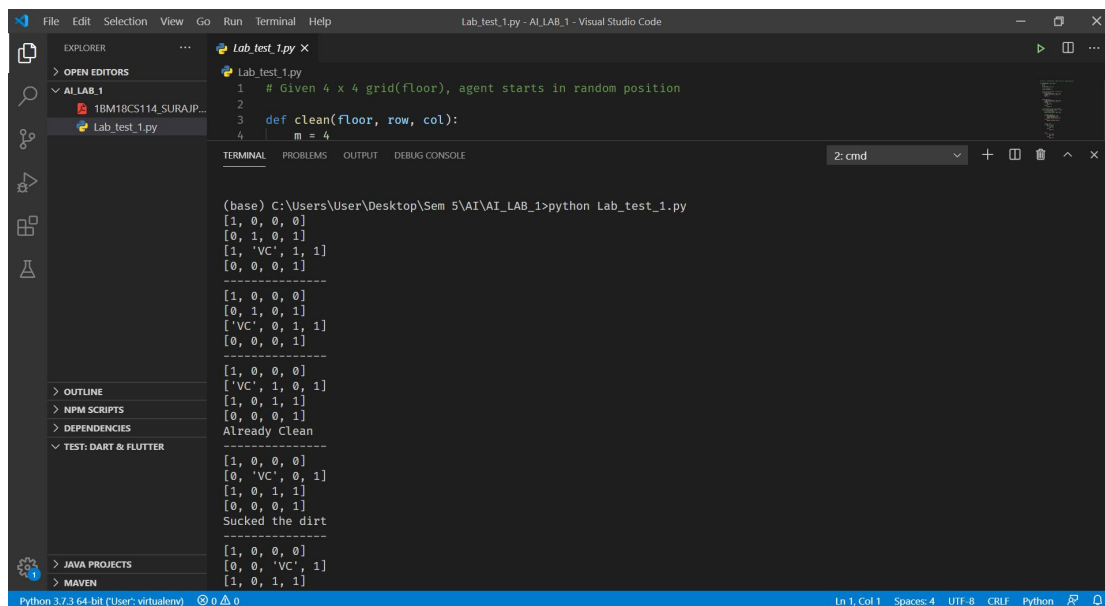
```
59
60 def print_floor(floor, row, col):
61     temp = floor[row][col]
62     floor[row][col] = 'VC'
63     for x in floor:
64         print(x)
65
66     floor[row][col] = temp
67
68
69
70 floor = [[1, 0, 0, 0], # '1' represents dirty and '0' represents clean
71          [0, 1, 0, 1],
72          [1, 0, 1, 1],
73          [0, 0, 0, 1]]
74 # Random Starting point
75 row, col = 2, 1
76 clean(floor, row, col)
77
78
79
80
```

TERMINAL

Cleaned!!!

(base) C:\Users\User\Desktop\Sem 5\AI\AI\_LAB\_1>

Movement to 1<sup>st</sup> row 0<sup>th</sup> col



```
1 # Given 4 x 4 grid(floor), agent starts in random position
2
3 def clean(floor, row, col):
4     m = 4
```

TERMINAL

(base) C:\Users\User\Desktop\Sem 5\AI\AI\_LAB\_1>python Lab\_test\_1.py

```
[1, 0, 0, 0]
[0, 1, 0, 1]
[1, 'VC', 1, 1]
[0, 0, 0, 1]
-----
[1, 0, 0, 0]
[0, 1, 0, 1]
['VC', 0, 1, 1]
[0, 0, 0, 1]
-----
[1, 0, 0, 0]
['VC', 1, 0, 1]
[1, 0, 1, 1]
[0, 0, 0, 1]
Already Clean
-----
[1, 0, 0, 0]
[0, 'VC', 0, 1]
[1, 0, 1, 1]
[0, 0, 0, 1]
Sucked the dirt
-----
[1, 0, 0, 0]
[0, 0, 'VC', 1]
[1, 0, 1, 1]
[1, 0, 1, 1]
```

Cleaning part



