


```

        else:
            print("Invalid input. Please enter 'C' or 'M'.")
        print("All rooms are clean!")

if __name__ == "__main__":
    world = VacuumWorld()
    world.run()

```

```

Current position: A
[X] Room A: dirty
[ ] Room B: dirty
[ ] Room C: dirty
[ ] Room D: dirty

```

```

Room Layout:
  [A]   [B]
   |    |
   |    |
  [C]   [D]

```

```

Enter 'C' to clean or 'M' to move: C
Cleaning room A...

```

```

Current position: A
[X] Room A: clean
[ ] Room B: dirty
[ ] Room C: dirty
[ ] Room D: dirty

```

```

Room Layout:
  [A]   [B]
   |    |
   |    |
  [C]   [D]

```

```

Enter 'C' to clean or 'M' to move: M
Moved to room B.

```

```

Current position: B
[ ] Room A: clean
[X] Room B: dirty
[ ] Room C: dirty
[ ] Room D: dirty

```

```

Room Layout:
  [A]   [B]
   |    |
   |    |
  [C]   [D]

```

```

Enter 'C' to clean or 'M' to move: C
Cleaning room B...

```

```

Current position: B
[ ] Room A: clean
[X] Room B: clean
[ ] Room C: dirty
[ ] Room D: dirty

```

```

Room Layout:
  [A]   [B]
   |    |
   |    |
  [C]   [D]

```

```

Enter 'C' to clean or 'M' to move: M
Moved to room C.

```

```

Current position: C
[ ] Room A: clean
[ ] Room B: clean
[X] Room C: dirty
[ ] Room D: dirty

```

```

Room Layout:
  [A]   [B]
   |    |
   |    |
  [C]   [D]

```

```

Enter 'C' to clean or 'M' to move: C
Cleaning room C...

```

```

Current position: C
[ ] Room A: clean
[ ] Room B: clean
[X] Room C: clean
[ ] Room D: dirty

```

```

Room Layout:
  [A]   [B]
   |    |
   |    |
  [C]   [D]

```

```

Enter 'C' to clean or 'M' to move: M
Moved to room D.

```

```

Current position: D
[ ] Room A: clean
[ ] Room B: clean
[ ] Room C: clean
[X] Room D: dirty

```

```

Room Layout:
  [A]   [B]
   |    |
   |    |
  [C]   [D]

```

```

Enter 'C' to clean or 'M' to move: C
Cleaning room D...
All rooms are clean!

```