

OUTPUT OF AI ML DELIVERY AGENT PROJECT

```
PS C:\Users\rishi\OneDrive\Desktop\AI_Delivery_Agent> python -u "c:\Users\rishi\OneDrive\Desktop\AI_Delivery_Agent\project.py"
DELIVERY SIMULATOR
=====
```

```
Select City:
1. Bhopal
2. Indore
3. Shivpuri
4. Jabalpur
5. Quit
Choose (1-5): 1
```

```
You are in Bhopal!
1. Show city map
2. Run one delivery
3. Compare algorithms
4. Show courier status
5. Show log (last 10)
6. Back to city menu
Choose (1-6): 1
```

```
=====
BHOPAL MAP (Time: 0)
```

```
=====
| . . . . . |
| . # # # . . . |
| . . . . . 3 . . |
| . . . . . |
| . . . . # . . |
| . . . . . |
=====
```

```
Legend: R=Robot #=Wall T=Traffic +=Route Number=Cost
```

```
Press Enter...
```

```
> python -u "c:\Users\rishi\OneDrive\Desktop\AI_Delivery_Agent\project.py"
DELIVERY SIMULATOR
=====
```

```
Select City:
1. Bhopal
2. Indore
3. Shivpuri
4. Jabalpur
5. Quit
Choose (1-5): 2
```

```
You are in Indore!
```

```
1. Show city map
2. Run one delivery
3. Compare algorithms
4. Show courier status
5. Show log (last 10)
6. Back to city menu
Choose (1-6): 2
```

```
Algorithms: 1=BFS 2=UCS 3=A* 4=Local
```

```
Pick (1-4): 3
```

```
Show animation? (y/n): y
```

```
Starting delivery (0, 0) -> (6, 6) in Indore using ASTAR
Planned route length: 13 cost estimate: 12
```

Press Enter...

You are in Bhopal!

1. Show city map
2. Run one delivery
3. Compare algorithms
4. Show courier status
5. Show log (last 10)
6. Back to city menu

Choose (1-6): 2

Algorithms: 1=BFS 2=UCS 3=A* 4=Local

Pick (1-4): 3

Show animation? (y/n): Y

Starting delivery (0, 0) -> (7, 5) in Bhopal using ASTAR

Planned route length: 13 cost estimate: 12

=====

BHOPAL MAP (Time: 1)

=====

```
| R . . . . . . . |
| * # # # . . . . |
| . . . . . 3 . . |
| . . . . . . . |
| . . . . . . . |
| . . . . # . . . |
| . . . . . . . |
```

=====

Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (0, 0) Time: 0 Fuel: 100 Delivered: 0

Press Enter...

You are in Bhopal!

1. Show city map
2. Run one delivery
3. Compare algorithms
4. Show courier status
5. Show log (last 10)
6. Back to city menu

Choose (1-6): 4

Location: (7, 5) Time: 12 Fuel: 88 Delivered: 5

Press Enter...

You are in Bhopal!

1. Show city map
2. Run one delivery
3. Compare algorithms
4. Show courier status
5. Show log (last 10)
6. Back to city menu

Choose (1-6): 5

Delivered in Bhopal! Cost=12

Delivered in Bhopal! Cost=12

Delivered in Bhopal! Cost=12

Delivered in Bhopal! Cost=12

Delivered in Bhopal! Cost=12

Press Enter...

You are in Bhopal!

1. Show city map
2. Run one delivery
3. Compare algorithms
4. Show courier status
5. Show log (last 10)
6. Back to city menu

Choose (1-6): 6

=====

BHOPAL MAP (Time: 12)

=====

```
| . . . . . . . |
| . # # # . . . . |
| . . . . . 3 . . |
| . . . . . . . |
| . . . . # . . . |
| . . . . . R . . |
```

=====

Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (6, 5) Time: 0 Fuel: 89 Delivered: 0

Result: Cost=12, Explored=64, Success=True

Press Enter...

You are in Bhopal!

1. Show city map
2. Run one delivery
3. Compare algorithms
4. Show courier status
5. Show log (last 10)
6. Back to city menu

Choose (1-6): 3

Starting delivery (0, 0) -> (7, 5) in Bhopal using BFS

BFS | Cost=12 | Nodes=44 | Success=True

Starting delivery (0, 0) -> (7, 5) in Bhopal using UCS

UCS | Cost=12 | Nodes=68 | Success=True

Starting delivery (0, 0) -> (7, 5) in Bhopal using ASTAR

ASTAR | Cost=12 | Nodes=64 | Success=True

Starting delivery (0, 0) -> (7, 5) in Bhopal using LOCAL

LOCAL | Cost=12 | Nodes=56 | Success=True

Press Enter...

=====

BHOPAL MAP (Time: 10)

=====

```
| . . . . . |
| . # # # . . . |
| . . . . . 3 . . |
| . . . . . |
| . . . . # . . . |
| . . . . R . . . |
```

=====

Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (4, 5) Time: 0 Fuel: 91 Delivered: 0

=====

BHOPAL MAP (Time: 11)

=====

```
| . . . . . |
| . # # # . . . |
| . . . . . 3 . . |
| . . . . . |
| . . . . # . . . |
| . . . . R . . . |
```

=====

Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (5, 5) Time: 0 Fuel: 90 Delivered: 0

=====

BHOPAL MAP (Time: 8)

=====

```
| . . . . . |
| . # # # . . . |
| . . . . . 3 . . |
| . . . . . |
| . . . . # . . . |
| . . R . . . . |
```

=====

Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (2, 5) Time: 0 Fuel: 93 Delivered: 0

=====

BHOPAL MAP (Time: 9)

=====

```
| . . . . . |
| . # # # . . . |
| . . . . . 3 . . |
| . . . . . |
| . . . . # . . . |
| . . . R . . . . |
```

=====

Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (3, 5) Time: 0 Fuel: 92 Delivered: 0

```
=====
BHOPAL MAP (Time: 6)
=====
| . . . . . |
| . # # # . . . |
| . . . . 3 . . |
| . . . . . |
| . . . . # . . |
| R . . . . . |
=====
Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (0, 5) Time: 0 Fuel: 95 Delivered: 0

=====
BHOPAL MAP (Time: 7)
=====
| . . . . . |
| . # # # . . . |
| . . . . 3 . . |
| . . . . . |
| . . . . # . . |
| . R . . . . |
=====
Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (1, 5) Time: 0 Fuel: 94 Delivered: 0

=====
BHOPAL MAP (Time: 4)
=====
| . . T . . . . |
| . # # # . . . |
| . . . . 3 . . |
| R . . . . . |
| . . . . # . . |
| . . . . . |
=====
Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (0, 3) Time: 0 Fuel: 97 Delivered: 0

=====
BHOPAL MAP (Time: 5)
=====
| . . T . . . . |
| . # # # . . . |
| . . . . 3 . . |
| . . . . . |
| R . . . # . . |
| . . . . . |
=====
Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (0, 4) Time: 0 Fuel: 96 Delivered: 0
```

```
=====
BHOPAL MAP (Time: 2)
```

```
=====
| . . . . . |
| R # # # . . . |
| . . . . . 3 . . |
| . . . . . |
| . . . . # . . . |
| . . . . . |
=====
```

Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (0, 1) Time: 0 Fuel: 99 Delivered: 0

```
=====
BHOPAL MAP (Time: 3)
```

```
=====
| . . T . . . . |
| . # # # . . . |
| R . . . . 3 . . |
| . . . . . |
| . . . . # . . . |
| . . . . . |
=====
```

Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (0, 2) Time: 0 Fuel: 98 Delivered: 0

```
=====
BHOPAL MAP (Time: 12)
=====
```

```
| * . . . . . |
| * # # # . . . |
| * . . . . 3 . . |
| * . . . . . . |
| * . . . # . . . |
| * . . . . . R . |
=====
```

Legend: R=Robot #=Wall T=Traffic .=Route Number=Cost

Location: (6, 5) Time: 0 Fuel: 89 Delivered: 0

Result: Cost=12, Explored=64, Success=True
Press Enter...

You are in Bhopal!
1. Show city map
2. Run one delivery
3. Compare algorithms
4. Show courier status
5. Show log (last 10)
6. Back to city menu
Choose (1-6): 3

Starting delivery (0, 0) -> (7, 5) in Bhopal using BFS
BFS | Cost=12 | Nodes=44 | Success=True

Starting delivery (0, 0) -> (7, 5) in Bhopal using UCS
UCS | Cost=12 | Nodes=68 | Success=True

Starting delivery (0, 0) -> (7, 5) in Bhopal using ASTAR
ASTAR | Cost=12 | Nodes=64 | Success=True

Starting delivery (0, 0) -> (7, 5) in Bhopal using LOCAL
LOCAL | Cost=12 | Nodes=56 | Success=True
Press Enter...

Press Enter...

You are in Bhopal!

1. Show city map
2. Run one delivery
3. Compare algorithms
4. Show courier status
5. Show log (last 10)
6. Back to city menu

Choose (1-6): 4

Location: (7, 5) Time: 12 Fuel: 88 Delivered: 5

Press Enter...

You are in Bhopal!

1. Show city map
2. Run one delivery
3. Compare algorithms
4. Show courier status
5. Show log (last 10)
6. Back to city menu

Choose (1-6): 5

Delivered in Bhopal! Cost=12

Delivered in Bhopal! Cost=12

Delivered in Bhopal! Cost=12

Delivered in Bhopal! Cost=12

Delivered in Bhopal! Cost=12

Press Enter...

You are in Bhopal!

1. Show city map
2. Run one delivery
3. Compare algorithms
4. Show courier status
5. Show log (last 10)
6. Back to city menu

Choose (1-6): 6

Select City:

1. Bhopal
2. Indore
3. Shivpuri
4. Jabalpur
5. Quit

Choose (1-5): 2

You are in Indore!

1. Show city map
2. Run one delivery
3. Compare algorithms
4. Show courier status
5. Show log (last 10)
6. Back to city menu

Choose (1-6):