

Output Screenshots

The screenshot shows a PyCharm IDE with a terminal window open. The terminal displays the following text:

```
F:\anu_documents\5th sem\AI LAB>py 8puzzle.py
Enter the start state matrix

2 _ 3
1 8 4
7 6 5
Enter the goal state matrix

1 2 3
8 _ 4
7 6 5

|
|
\'/

2 _ 3
1 8 4
7 6 5

|
|
\'/

_ 2 3
1 8 4
7 6 5
```

The terminal window is titled "Terminal" and shows the output of the command "py 8puzzle.py". The user has entered the start state matrix, and the goal state matrix is also displayed. The terminal window is located at the bottom of the IDE, and the file explorer on the left shows the project structure.