

OUTPUT:

```
PS D:\Program> cd "d:\Program\" ; if ($?) { g++ sudokuproject.cpp -o sudokuproject } ; if ($?) { .\sudokuproject }
5 0 0 0 1 0 0 0 4
2 7 4 0 0 0 6 0 0
0 8 0 9 0 4 0 0 0
8 1 0 4 6 0 3 0 2
0 0 2 0 3 0 1 0 0
7 0 6 0 9 1 0 5 8
0 0 0 5 0 3 0 1 0
0 0 5 0 0 0 9 2 7
1 0 0 0 2 0 0 0 3

5 9 3 6 1 2 7 8 4
2 7 4 3 5 8 6 9 1
6 8 1 9 7 4 2 3 5
8 1 9 4 6 5 3 7 2
4 5 2 8 3 7 1 6 9
7 3 6 2 9 1 4 5 8
9 2 7 5 4 3 8 1 6
3 4 5 1 8 6 9 2 7
1 6 8 7 2 9 5 4 3
```

```
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0 0 2 0 3 0 0 0 8
0 0 0 0 0 8 0 0 0
0 3 1 0 2 0 0 0 0
0 6 0 0 5 0 2 7 0
0 1 0 0 0 0 0 5 0
2 0 4 0 6 0 0 3 1
0 0 0 0 8 0 6 0 5
0 0 0 0 0 0 0 1 3
0 0 5 3 1 0 4 0 0

6 7 2 4 3 5 1 9 8
5 4 9 1 7 8 3 6 2
8 3 1 6 2 9 5 4 7
3 6 8 9 5 1 2 7 4
9 1 7 2 4 3 8 5 6
2 5 4 8 6 7 9 3 1
1 9 3 7 8 4 6 2 5
4 8 6 5 9 2 7 1 3
7 2 5 3 1 6 4 8 9
```

```
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9 7 4 2 3 6 1 5 8
6 3 8 5 9 1 7 4 2
1 2 5 4 8 7 9 3 6
3 1 6 7 5 4 2 8 9
7 4 2 9 1 8 5 6 3
5 8 9 3 6 2 4 1 7
8 6 7 1 2 5 3 9 4
2 5 3 6 4 9 8 7 1
4 9 1 8 7 3 6 2 5

Sudoku Already Completed
```

```
PS D:\Program> cd "d:\Program\" ; if ($?) { g++ sudokuproject.cpp -o sudokuproject } ; if ($?) { .\sudokuproject }
3 0 5 4 2 0 8 1 0
4 8 7 9 0 1 5 0 6
0 2 9 0 5 6 3 7 4
8 5 0 7 9 3 0 4 1
6 1 3 2 0 8 9 5 7
0 7 4 0 6 5 2 8 0
2 4 1 3 0 9 0 6 5
5 0 8 6 7 0 1 9 2
0 9 6 5 1 2 4 0 5

Invalid Sudoku
```