

Jaleel Rogers  
Assignment 1  
Professor Hamam  
COP3809 – Advanced Topics in Programming

```
C:\Users\jalee\.jdk\openjdk-19.0.2\bin\j
-----+-----+-----
5 3 4 | 0 7 8 | 9 1 2
6 7 0 | 1 9 5 | 3 4 8
1 9 8 | 3 4 2 | 5 0 7
-----+-----+-----
8 0 9 | 7 6 1 | 4 2 3
4 2 6 | 8 0 3 | 7 9 0
7 1 3 | 9 2 4 | 8 5 6
-----+-----+-----
9 0 1 | 5 3 7 | 2 8 4
2 8 7 | 4 1 9 | 6 0 5
3 4 5 | 2 8 6 | 1 7 9
-----+-----+-----
Continue Playing (Y/N)?
N
Process finished with exit code 0
```

*Figure 1 - Quitting the Game*

```
Continue Playing (Y/N)?  
Y  
  
Enter row: 1  
Enter column: 2  
Enter value: 3  
Wrong Entry  
  
-----+-----+-----  
5 3 4 | 0 7 8 | 9 1 2  
6 7 0 | 1 9 5 | 3 4 8  
1 9 8 | 3 4 2 | 5 0 7  
-----+-----+-----  
8 0 9 | 7 6 1 | 4 2 3  
4 2 6 | 8 0 3 | 7 9 0  
7 1 3 | 9 2 4 | 8 5 6  
-----+-----+-----  
9 0 1 | 5 3 7 | 2 8 4  
2 8 7 | 4 1 9 | 6 0 5  
3 4 5 | 2 8 6 | 1 7 9  
-----+-----+-----  
Continue Playing (Y/N)?
```

*Figure 2 - Testing isEntryValid*

```
Continue Playing (Y/N)?  
Y  
  
Enter row: 0  
Enter column: 3  
Enter value: 2  
Invalid row/column  
Continue Playing (Y/N)?
```

*Figure 3 - Testing isRowColumnValid*

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```
Enter row: 7
Enter column: 2
Enter value: 1
NOT Correct!

-----+-----+-----
5 3 4 | 0 7 8 | 9 1 2
6 7 0 | 1 9 5 | 3 4 8
1 9 8 | 3 4 2 | 5 0 7
-----+-----+-----
8 0 9 | 7 6 1 | 4 2 3
4 2 6 | 8 0 3 | 7 9 0
7 1 3 | 9 2 4 | 8 5 6
-----+-----+-----
9 0 1 | 5 3 7 | 2 8 4
2 8 7 | 4 1 9 | 6 0 5
3 4 5 | 2 8 6 | 1 7 9
-----+-----+-----
Continue Playing (Y/N)?
```

*Figure 4 - Guessing Wrong on Sudoku*

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```
Enter row: 8
Enter column: 8
Enter value: 3
Correct!

-----+-----+-----
5 3 4 | 6 7 8 | 9 1 2
6 7 2 | 1 9 5 | 3 4 8
1 9 8 | 3 4 2 | 5 6 7
-----+-----+-----
8 5 9 | 7 6 1 | 4 2 3
4 2 6 | 8 5 3 | 7 9 1
7 1 3 | 9 2 4 | 8 5 6
-----+-----+-----
9 6 1 | 5 3 7 | 2 8 4
2 8 7 | 4 1 9 | 6 3 5
3 4 5 | 2 8 6 | 1 7 9
-----+-----+-----

Solved!

Process finished with exit code 0
```

*Figure 5 - Solving Sudoku Puzzle*