

Lab 3

```
osc@ubuntu:~/final-src-osc10e/lab3$ ./a.out
Sudoku board:
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
Thread 0 found no conflicts.
Thread 1 found no conflicts.
Thread 2 found no conflicts.
Success! This is a valid Sudoku board.
```

Figure 1: Successful sudoku board verification.

```
osc@ubuntu:~/final-src-osc10e/lab3$ ./a.out
Sudoku board:
4 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
Box conflict found. Row: 1, Col: 3, number: 4
Column conflict found. Row: 5, Col: 1, number: 4
Row conflict found. Row: 1, Col: 3, number: 4
Thread 0 found a conflict.
Thread 1 found a conflict.
Thread 2 found a conflict.
Failure! This is an invalid Sudoku board.
```

Figure 2: Checker successful finding the error in the puzzle.