```
import java.util.*;
class Solution {
 public static boolean
solveSudoku(char[][] board) {
  for (int i = 0; i < 9; i++) {
    for (int j = 0; j < 9; j++) {
     if (board[i][j] == '.') {
      for (char c = '1'; c <= '9'; c+
+) {
        if (isValid(board, i, j, c)) {
         board[i][j] = c;
         if (solveSudoku(board))
           return true;
         else
           board[i][j] = '.';
```

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return false;
  return true;
 public static boolean
isValid(char[][] board, int row, int
col, char c) {
  for (int i = 0; i < 9; i++) {
    if (board[i][col] == c)
     return false;
    if (board[row][i] == c)
     return false;
```

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if (board[3 * (row / 3) + i / 3][3
* (col / 3) + i % 3] == c)
      return false;
  return true;
 public static void main String
args) {
  char∏∏ board= {
              {'9', '5', '7', '.', '1', '3',
'.', '8', '4'},
              {'4', '8', '3', '.', '5', '7',
'1', '.', '6'},
              {'.', '1', '2', '.', '4', '9',
'5', '3', '7'},
```

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{'1', '7', '.', '3', '.', '4',
'9', '.', '2'},
                {'5', '.', '4', '9', '7', '.',
'3', '6', '.'},
                {'3', '.', '9', '5', '.', '8',
'7', '.', '1'},
                {'8', '4', '5', '7', '9', '.',
'6', '1', '3'},
                {'.', '9', '1', '.', '3', '6',
'.', '7', '5'},
                {'7', '.', '6', '1', '8', '5',
'4', '.', '9'}
                };
   solveSudoku(board);
   for (int i = 0; i < 9; i++) {
    for (int j = 0; j < 9; j++)
      System.out.print(board[i][j] +
" ");
```

```
System.out.println();
}
}
```