- 64. Determine if a 9×9 Sudoku board is valid. Only the filled cells need to be validated according to the following rules:
 - 1. Each row must contain the digits 1-9 without repetition.
 - 2. Each column must contain the digits 1-9 without repetition.
 - 3. Each of the nine 3×3 sub-boxes of the grid must contain the digits 1-9 without repetition.

Note:

- A Sudoku board (partially filled) could be valid but is not necessarily solvable.
- Only the filled cells need to be validated according to the mentioned rules.

Example 1:

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

Input: board =

Output: true

AIM: To check the Sudoku Board is valid

PROGRAM:

```
def isValidSudoku(board):
   for i in range(9):
      row_set = set()
     for j in range(9):
         if board[i][j] != '.':
           if board[i][j] in row_set:
              return False
           row_set.add(board[i][j])
   for j in range(9):
     col_set = set()
     for i in range(9):
        if board[i][j] != '.':
           if board[i][j] in col_set:
              return False
           col_set.add(board[i][j])
   for i in range(0, 9, 3):
     for j in range(0, 9, 3):
        box_set = set()
        for x in range(3):
           for y in range(3):
              if board[i+x][j+y] != '.':
                 if board[i+x][j+y] in box_set:
                    return False
                 box_set.add(board[i+x][j+y])
   return True
board = [
  ["5","3",".",".","7",".",".",".","."],\\
  ["6",".",".","1","9","5",".",".","."],
  [".","9","8",".",".",".",".","6","."],
  ["8",".",".",".","6",".",".",".","3"],
  ["4",".",".","8",".","3",".",".","1"],
  ["7",".",".",".","2",".",".",".","6"],\\
  [".","6",".",".",".","2","8","."],
  [".",".",".","4","1","9",".",".","5"],
  [".",".",".","8",".","7","9"]
print(isValidSudoku(board))
             True
OUTPUT:
```

TIME COMPLEXITY: O(1)