**Day 2**

**Question-1**

**Write a method Boolean isValidSudoku(int[][]Sudoku)**

Returns true if the given Sudoku is correctly arranged otherwise false.

**Question-2**

**Write a method boolean isCompactString(String string)**

A String can be reduced by replacing two adjacent characters in string from set {‘a’,’b’,’c’} by third remaining character from the set. This process is repeated recursively till there are no adjacent characters are from set in the string.

Eg.. dg**cab** -> dg**cc** OR dg**cab** -> dg**bb**, resulting in a string of length 4

fre**bcab** -> fre**aab** -> fre**ac** -> fre**b** resulting in a string of length 4

A string is called **compact** if it can be reduced to length 4 or less.

**Question-3**

**Write a method Boolean isKingSafe(int[][]chessBoard)**

Returns true if king in the given chess board is safe from the given enemies otherwise false;

NOTE: Enemies are- Horse, Camel, Queen, Elephant only

Do not consider the colour case of the chess board for traversal of camel and all.