Read, understand and write *.cpp code for optional extra credit project exCr7_8, Chapter 7 Programming Challenge 7_8 Lo Shu Magic Square, p. 456.

The output may look like:

1023

4 15 6

78-8

This is not a Lo Shu magic square.

492

357

816

This is a Lo Shu magic square.

Some hints.

In main() use two arrays

Use

```
// Global constants
const int ROWS = 3; // The number of rows in the array
```

```
const int COLS = 3; // The number of columns in the array
const int MIN = 1; // The value of the smallest number
const int MAX = 9; // The value of the largest number

// Function prototypes
void showResult(int[][COLS]);
void showArray(int[][COLS]);
bool isMagicSquare(int[][COLS]);
bool checkRange(int[][COLS]);
bool checkUnique(int[][COLS]);
bool checkColSum(int[][COLS]);
bool checkColSum(int[][COLS]);
bool checkDiagSum(int[][COLS]);
```

Good Luck!