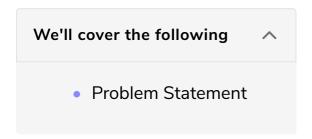# Exercise 3: Making Matrix Using Arrays

In this exercise, you will be required to use a two-dimensional array to display a matrix of zeros and ones

Problem Statement

In this **C++ exercise**, you're are about to write C++ program to **display the matrix** shown below by using a **two-dimensional** array.

O	1	1	1	1
-1	O	1	1	1
-1	-1	O	1	1
-1	-1	-1	O	1
-1	-1	-1	-1	O

- The *diagonal* of the *matrix* should be filled with **0**.
- The *lower side* should be filled will **-1s**.
- *upper side* should be filled with **1s**.

> **Note:** In order to move a values to next line you can use `\n` instead of `endl`. Both perform the same function of moving to next line.

Write your code below. It is recommended that you try solving the exercise yourself before viewing the solution.

Good Luck!

```cpp
#include<iostream>
using namespace std;

void test(int n) //you dont have to use "int n" anywhere in the code, it's passed for testing purpo
{

    //write the code for making and printing the matrix here
    //use can use \n to move numers to next line in the matrix
    //use " " to add space between numbers in matrix
     cout << "\n"; //comment out this line when you start writing code

}
```