Exercise 5: Implementing Double Pointers

In this exercise, you will be required to create a Board of any size using double pointers

We'll cover the following

Problem Statement

This exercise will require you to implement **double pointers** in C++.

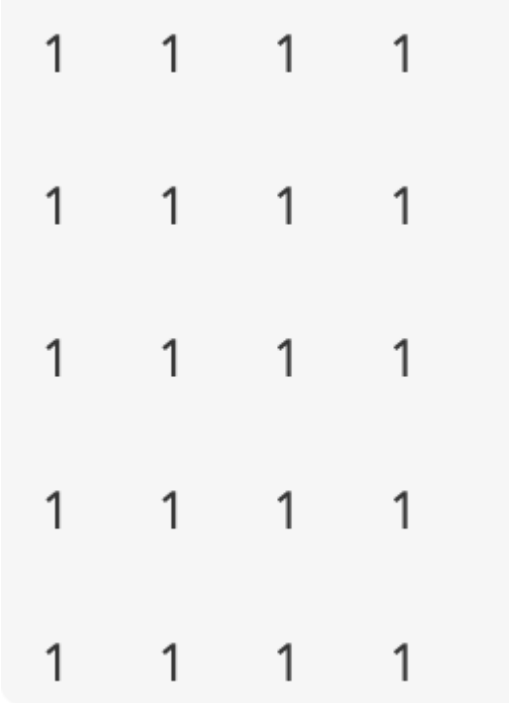
In this exercise,

- You are required to *create* a **Board** for **any** number of *rows* and *columns*.
- Write the code for the above-mentioned task in the `makeBoard` function.
- Next, you have to write the `printBoard` *function*. In it, you have to do the following:
  - Pass the *appropriate parameters* to it
  - Initialize the **board** to store the value **1** at every *index* in the **board**.
  - Display your *resulting* **board**.
- Lastly, *call* the `printBoard` *function* in the `makeBoard` function by passing the *appropriate parameters* to it.

Dummy Example

Input: 5 rows and **4 columns**

Expected Output:



A board with 5 rows and 4 column

Hint

- Think in terms of creating a *dynamic 2d* **array**.
- Make use of **double pointers**.
- Make use of the `new` *operator*.

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

Good Luck!

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

void printBoard(){ //pass the appropriate arguments in the function

  //write code here to display the board
}

void makeBoard(int x,int y) {

  //write your code for making the board here

   //calling printBoard here to display the board on console
  ////uncomment the line below to call printBoard
  //remove "parameters" written and pass the appropriate arguments instead before calling the func
  //printBoard(parameters);

  cout << "\n"; //comment out this line before you test your code
```