

CSCI-101 Programming 1

Lab 13

Instructions: Log into cs.bridgewater.edu and navigate to your **csci101/labs** directory. Make a directory named **lab13** and change your working directory to **lab13**.

Create a class named **Lab13**.

Create a method named **printMatrix** that takes an 2D array of characters as an argument and prints to the screen the values in the 2D array, with each row on a single line and spaces between the values.

In **main** do the following:

1. Declare a 7x7 2D array of characters named **map**.
2. Initialize all of the elements in **map** to underscore characters (`_`).
3. Print the contents of **map** to the screen using **printMatrix**.
4. Use 6 for-loops to set the x's in **map** so that **map** looks like the 2D array shown below.

```
X X X X X X X
_ _ _ _ _ X
X X X X X _ X
X _ _ _ _ X
X _ X X X X X
X _ _ _ _ _
X X X X X X X
```

5. Print the contents of **map** to the screen using **printMatrix**.

After you've written the program, compile the program and test it until you are confident that it is correct. If it is not correct, try to debug the code, resave, recompile, and retest.

Once you are confident that the program works properly, use git commands to update your GitHub repository. Confirm your files on GitHub by inspecting the repository on [GitHub.com](https://github.com).