

Problem Solved [Java 2D Array]: <https://www.hackerrank.com/challenges/java-2d-array/problem?isFullScreen=true>

Screenshot of test case passing:

The screenshot shows the HackerRank interface for the 'Java 2D Array' challenge. The problem description states: 'You are given a 6 * 6 2D array. An hourglass in an array is a portion shaped like this:
a b c
d
e f g'. It provides an example of an hourglass in a 6x6 array of zeros and ones, and asks for the largest sum of an hourglass. The interface shows 8 test cases, all of which are passed. A green banner at the top right says 'Congratulations' and 'You solved this challenge. Would you like to challenge your friends?'. A 'Hidden Test Case' is also visible, which is locked for 5 hacks. The bottom of the screen shows the Windows taskbar with the time 09:19 on 27-09-2023.

Working Code in NetBeans:

The screenshot shows the NetBeans IDE with the source code for the 'INFO5100_LabAssignment2.java' file. The code is a Java program that reads a 6x6 2D array from standard input and prints the largest sum of an hourglass. The code is as follows:

```
public static void main(String[] args) throws IOException {  
    BufferedReader bufferedReader = new BufferedReader(new InputStreamReader(System.in));  
  
    List<List<Integer>> arr = new ArrayList<>();  
  
    for (int i = 0; i < 6; i++) {  
        String[] arrRowTemps = bufferedReader.readLine().replaceAll("\\s+", "").split(" ");  
        List<Integer> arrRowItems = new ArrayList<>();  
    }  
}
```

 The output window shows the execution of the program, which prints the largest sum of an hourglass, 22. The output is:
22
1 2 -3 0 -5 4
6 -8 1 5 -7 6
7 -5 3 5 9 -9
8 2 -4 -6 7 0
5 7 -6 2 3 4
-9 6 2 7 -3 0
22
BUILD SUCCESS
Total time: 01:39 min
Finished at: 2023-09-27T10:23:30-04:00