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# MPL

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| --- | --- | --- | --- | --- |
|  | Total Questions | Minimum Questions | Answered | Non-answered |
| CH8 | 30 | 5 | 5 | 25 |

# Your MPL question selection

## MPL Q1

Number: 21025

Question: [Assume](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) that chessboard has been [declared](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) to be a two-dimensional [array](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) of [strings](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?). Write a [statement](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) that [instantiates](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) an 8x8 [array](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) of [strings](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) and [assign](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) it to chessboard.

Answer: chessboard = new String[8][8];

Why: I choose this because it was the first problem and it was easy.

## MPL Q2

Number: 21027

Question: [Assume](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) that tictactoe has been [declared](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) to be a two-dimensional [array](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) of [integers](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?). Write a [statement](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) that [instantiates](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) a 3x3 two-dimensional [array](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) of [integers](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) and [assign](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) it to tictactoe.

Answer: tictactoe = new int[3][3];

Why: It was a interesting problem to solve and it help me learn the idea of 2D arrays

## MPL Q3

Number: 21026

Question: [Declare](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) a two-dimensional [array](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) of [integers](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) [named](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) tictactoe.

Answer: int tictactoe[][];

Why: I was was interesting problem to solve and it was easy

## MPL Q4

Number: 21044

Question: A 2-dimensional [array](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) of [ints](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?), has been created and [assigned](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) to **a2d**. Write an [expression](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) whose [value](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) is the number of [elements](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) in the first row. ([Assume](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) the [array](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) is not empty.)

Answer: a2d[0].length

Why: It was complicated problem to solve and when I solve it look simple now.

## MPL Q5

Number: 21048

Question: [Assume](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) you are [given](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) an [int](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) [variable](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) [named](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) **nElements** and a 2-dimensional [array](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) that has been created and [assigned](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) to **a2d**. Write one or more [statements](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) that [assign](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) to **nElements** the total number of [elements](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) that could be [stored](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?) in the entire 2-dimensional [array](https://pearson.turingscraft.com/codelab/jsp/core_dhtml.jsp?).

Answer: nElemnets =0;

For (int i =0; I > a2d.length; i++)

nElements += a2d[i].length;

Why: It was hard and interesting but I learn a lot through by solving