**1-D Array**

**boolean** bArray[];

|  |
| --- |
|  |

**Stack bArray**

**boolean** bArray[] = **new** **boolean**[2];

|  |  |
| --- | --- |
| t/f  index=0 | t/f  index=1 |

Heap bArray

**2-D/Multidimensional Array**

Int 2DArr[rows][columns] = new int[2][2];

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | |  |  | | |  |  | | --- | --- | |  |  | |

Or

|  |  |
| --- | --- |
| [0] [0] | [0] [1] |
| [1] [0] | [1] [1] |

(Matrix form)

Is it possible to create array like below in java??

int x [][] = new [3][];

x[0] = new[3];

x[1] = new[2];

x[2] = new[4];

|  |  |  |
| --- | --- | --- |
| [0] [0] | [0] [1] | [0] [2] |
| [1] [0] | [1] [1] |
| [2] [0] | [2] [1] | [2] [2] | [2] [3] |

Or

|  |
| --- |
| [0] [0] |
| [1] [0] | [1] [1] |
| [2] [0] | [2] [1] | [2] [2] |

::: A multidimensional array of unequal columns ::: less advantageous hence not preferred

Int d[][] = new int[4][7];

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |