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|  |  Arrays – One-Dimensional Vs. Two-Dimensional |
|  | **One- Dimensional** | **Two-Dimensional** |
| Instantiation | int[] arry = new int[4]; | int[][] arry2D = new int[3][4]; |
| Initializer List | int[] arry = {1, 3, 5}; | int[] arry2D = {{1, 3, 5}, {2, 4, 6}}; |
| Visual | Single Row of Elements | Table |
| Accessing Length | arry.length; // # of elements | arry2D.length; // # of rows arry2D[0].length; //# of cols |
| Accessing Elements | System.out.println(arry[0]); | System.out.println(arry2D[0][0]); |
| For - Statement (Accessing all elements) | for(int i = 0; i < arry.length; i ++){ } | for(int row = 0; row < arry2D.length; row++) for(int col = 0; col < arry2D[row].length; col++) |
| For-Each Statement (Accessing all elements) | for(int i : arry){ } | for(int[] row : arry2D){ for(int i : row){ |