# PROGRAM TRACE TABLE for ArrayRandomCodeTrace.java

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Line# | Program Statement | Nums |  |  |  |  |
| 8 | Random rand = new Random(); |  |  |  |  |  |
| 9 | Int[] nums = new int[10] | [] |  |  |  |  |
| 13-16 | For (int I = 0; i<nums.length;i++) {  Nums[i] = rand.nextInt(20) + 1  } | Example nums:  [1,0,0,0,0,0,0,0,0,0] |  |  |  |  |
| 13-16 | For (int I = 0; i<nums.length;i++) {  Nums[i] = rand.nextInt(20) + 1  } | Example nums:  [1,0,0,0,0,0,0,0,0,0] |  |  |  |  |
| 13-16 | For (int I = 0; i<nums.length;i++) {  Nums[i] = rand.nextInt(20) + 1  } | Example nums:  [1,2,3,0,0,0,0,0,0,0] |  |  |  |  |
|  |  |  |  |  |  |  |
| 20 | for(int i=nums.length – 1; i>=0; i--) {  System.out.print(nums[i] + “ “);  } |  |  |  |  |  |
|  |  |  |  |  |  |  |

## OUTPUT:

| Line# | Program Output (please list this exactly as it appears on the screen) (NOT what is listed in the program source code) |
| --- | --- |
| **11** | The following are generated random numbers: |
| **17** | [1,2,3,4,5,6,7,9,10] |
| **19, 21** | The reversal of the array is: 10,9,8,7,6,5,4,3,2,1 |

## Directions:

You should remove these directions before handing in this file for homework assignments, etc. Failure to do so will result in a loss of points.

You'll notice that there are a number of extra columns, labeled "Extra Column N" where N is a number. Feel free to use these columns to keep track of anything you want to. *DO* change the column label, so that it's clear what you're keeping track of. Any columns that you don't use, you should get rid of, by deleting them.