ALGORITHM

• Step-1 :- START  
• Step-2 :- Create a class named as sort.

• Step-3 :- Create a method named as sort and pass the integer type array a[] as parameter. In this function, create a for loop (from 0 to the length of the array), start a inner loop (from 0 to a.length-1-i) and check whether a[j] > a[j + 1], if true then swap them if they are not in the desired order.

• Step-4 :- Create a method named as main. In this function, create an integer type array a[] and store the elements in it (user input). Call the function sort and pass the array a[] as the parameter. Print the sorted array.

Create a 2-Dimensional array b[][] and store the elements of sorted array a[] in the required pattern using for-loops. Now print the 2-Dimensional array b[][].

• Step-5 :- END

VD TABLE

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Variable | Data Type | Description |
| 1 | i | int | To store the value of the loop variable  To store the value of the loop variable  To store the elements of the array  To store the elements of the array in the required pattern  To store the size of the array  To store the temporary value  To store the value of the loop variable  To store the value of the loop variable |
| 2 | j | int |
| 3 | a | int[] |
| 4 | b | int[][] |
| 5 | n | int |
| 6 | temp | int |
| 7 | k | int |
| 8 | r | int |

OUTPUT

