ALGORITHM

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

• Step-3 :- Create a method named as main. In this function, create variables named as m and n to store the number of rows and columns of the matrix respectively. Now check whether number of rows and columns are valid or not. If not, then print Invalid Input and terminate the program. Otherwise, continue. Create a 2D array named as a[][] of size m and n and using for loops take the array input. Now print the original array. Now create two for loops to traverse the array. In the inner loop, check whether the current element is greater than the next element or not. If yes, then swap the elements. Now print the sorted array.

• Step-4 :- END

VD TABLE

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Variable | Data Type | Description |
| 1  2  3  4  5  6 | m  n  arr  i  j  t | int  int  int[][] int  int  int | To store the number of rows of the matrix To store the number of columns of the matrix To store the elements of the matrix  To store the value of the current row  To store the value of the current column  To store the value of the current element |

OUTPUT

