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| --- |
| // Java code to sort 2D matrix row-wise  **import** java.io.\*;    **public** **class** Sort2DMatrix {    **static** **int** sortRowWise(**int** m[][])      {          // loop for rows of matrix  **for** (**int** i = 0; i < m.length; i++) {                // loop for column of matrix  **for** (**int** j = 0; j < m[i].length; j++) {                    // loop for comparison and swapping  **for** (**int** k = 0; k < m[i].length - j - 1; k++) {  **if** (m[i][k] > m[i][k + 1]) {                            // swapping of elements  **int** t = m[i][k];                          m[i][k] = m[i][k + 1];                          m[i][k + 1] = t;                      }                  }              }          }            // printing the sorted matrix  **for** (**int** i = 0; i < m.length; i++) {  **for** (**int** j = 0; j < m[i].length; j++)                  System.out.print(m[i][j] + " ");              System.out.println();          }    **return** 0;      }        // driver code  **public** **static** **void** main(String args[])      {  **int** m[][] = { { 9, 8, 7, 1 },                        { 7, 3, 0, 2 },                        { 9, 5, 3, 2 },                        { 6, 3, 1, 2 } };          sortRowWise(m);      }  } |

**Output**

1 7 8 9

0 2 3 7

2 3 5 9

1 2 3 6