Rearrange Benches Editorial

Editorial:

✓ METHOD-1 :

Firstly, check the dimensions required to reshape the matrix. If the multiplication of rows and columns of the original matrix is not equal to the multiplication of rows and columns of the required matrix, just return the given matrix.

Otherwise,

Initialise a variable y as 0 and increment it till it reaches q i.e., number of columns required to reshape.

As soon as the variable y reaches q, all the elements we came across so far will be considered as a row and initialise y as 0 again.

Keep doing the process until the end which is m * n where m is size of the row and n is size of the column of the given matrix and return the modified / reshaped matrix.

✓ METHOD-2 :

Just check if total elements in both matrices will be same and then transform.

Iterate each row column-by-column, wrap around when you reach the end on one row and move to the next row. Here, we are copying all elements of one row and then moving on to the next row.

For both the Methods:

Time Complexity : O(p*q)

Space Complexity : O(p*q)