WAP to find Rank of the m\*n matrix. Consider the total number of non-zero rows (columns) and then find the number of independent rows (columns). Accordingly find the Rank of matrix.

Example :

2 4 8

0 0 0

4 8 16

In example the total number of non-zeros rows are two and R3 -> 2 \* R1. SO total numbers of independent rows are 1, so the rank of matrix is 1.