```
here [[ 1.   0.   2.   3.]
 [ 0.   1.   4.   5.]
 [ 0.   3.  12.  15.]]
here2 [[ 1.   0.   2.   3.]
 [ 0.   1.   4.   5.]
 [ 0.   3.  12.  15.]]
here [[ 1.   0.   2.   3.]
 [ 0.   1.   4.   5.]
 [ 0.   3.  12.  15.]]
here2 [[1. 0. 2. 3.]
 [0. 1. 4. 5.]
 [0. 0. 0. 0.]]
The rank of matrix is : 2
```

```
here [[1. 0. 0.]
 [0. 1. 0.]
 [0. 0. 1.]]
here2 [[1. 0. 0.]
 [0. 1. 0.]
 [0. 0. 1.]]
here [[1. 0. 0.]
 [0. 1. 0.]
 [0. 0. 1.]]
here2 [[1. 0. 0.]
 [0. 1. 0.]
 [0. 0. 1.]]
here [[1. 0. 0.]
 [0. 1. 0.]
 [0. 0. 1.]]
here2 [[1. 0. 0.]
 [0. 1. 0.]
 [0. 0. 1.]]
The rank of matrix is : 3
```

```
here2 [[ 1.    0.6  0.5   0.3]
 [ 0.    1.8  6.    5.4]
 [ 0.    4.2 -3.   -0.4]]
here2 [[  1.           0.6            0.5           0.3        ]
 [  0.           1.             3.33333333    3.         ]
 [  0.           0.           -17.          -13.         ]]
here2 [[ 1.           0.6            0.5           0.3        ]
 [ 0.           1.             3.33333333   3.         ]
 [-0.          -0.             1.            0.76470588]]
The rank of matrix is : 3
```