```
Python 3.8.3 (default, Jul  2 2020, 17:30:36) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.16.1 -- An enhanced Interactive Python.

In [1]: runfile('E:/Desktop/sem 7/irs/IRS/irs 6/Practical 6 IRS Het Shah.py',
wdir='E:/Desktop/sem 7/irs/IRS/irs 6')
k means center
[[ 4.33680869e-19  1.73472348e-18  0.00000000e+00 ...  0.00000000e+00
   5.47207717e-02  8.67361738e-19]
 [-4.33680869e-19 -1.73472348e-18  0.00000000e+00 ...  0.00000000e+00
   0.00000000e+00 -8.67361738e-19]
 [-4.33680869e-19  3.59831675e-02  2.32387408e-02 ...  8.68966720e-03
   0.00000000e+00 -8.67361738e-19]
 [ 2.37064319e-02  1.71291649e-02  0.00000000e+00 ...  0.00000000e+00
   0.00000000e+00  4.74128638e-02]]


prediction on testing dataset
[3 3 0 0]


label for each document
[2 0 1 1 2 2 2 0 3 1 2 0 1 1 3]

In [2]:
```