


```
[51]: order=[]
x=re.findall(r"((first|second|third|sixth)|(thir[a-z]+(th|st|nd))|(fou[a-z]+(th|rd|st|nd))|(fif[a-z]+(th|st|nd|rd))|(fi[a-z]+(h)|(six[a-z]+(th|st|nd|rd))|(sew[a-z]+(th|st|nd|rd))|(eig[a-z]+(th|st|nd|rd))|(n|ne[a-z]+(th|st|nd|rd))|(ten[a-z]+(th|st|nd|rd))|(ele[a-z]+(th)|(twe[a-z]+(th|st|nd|rd))|(hun[a-z]+(th|st|rd))))",data)
for i in range(len(x)):
    if(x[i][0] not in order):
        order.append(x[i][0])
#print(order)
orders=[]
x=re.findall(r"([0-9]+(th|st|nd|rd))",data)
for i in range(len(x1)):
    if(x1[i][0] not in orders):
        orders.append(x1[i][0])
#print(orders)
if order or orders:
    print(order+orders)
else:
    print("No CARDINALITIES AND ORDERS FOUND IN THE TEXT")

['first', 'second', 'fifth', 'sixth', 'nineteenth', 'third', 'sixtieth', 'fourth', 'twentieth', 'thirteenth', 'eleventh', 'twelfth', 'eighth', 'seventh', '9th', '10th', '12th', '22nd', '31st', '2nd', '8th', '3rd', '15th', '6th', '4th', '18th', '16th', '19th', '17th', '26th', '1st', '7th', '14th', '11th', '20th']
```

STEP 5 :- PRINTING ALL 4 LETTER WORDS STARTING WITH VOWELS FROM THE TEXT

```
In [52]: four=re.findall(r"(\b(a|e|i|o|u|A|E|I|O|U)[a-zA-Z]{3}\b)",data)
fours=[]
if four:
    for i in range(len(four)):
        fours.append(four[i][0])
    print("Total number of words without repetition are : ",len(set(fours)),"n",set(fours))
else:
    print("NO 4 LETTER WORDS STARTING WITH VOWELS FROM THE TEXT")

Total number of words without repetition are : 169
['Indo', 'Anda', 'Irsat', 'Arif', 'Ayan', 'only', 'esed', 'epic', 'east', 'Atop', 'eyes', 'Idea', 'aima', 'Adam', 'Idul', 'atop', 'Only', 'Ezra', 'imam', 'esem', 'Even', 'aced', 'ezzz', 'azzz', 'also', 'Acts', 'erac', 'Azab', 'oath', 'Usha', 'Ukil', 'atom', 'Oudh', 'Iraq', 'atma', 'ataa', 'Univ', 'eve n', 'Iman', 'able', 'ama', 'Aaad', 'axes', 'aasa', 'into', 'over', 'ease', 'Indu', 'axxa', 'upil', 'othe', 'ilea', 'amir', 'afap', 'ence', 'Akai', 'Abia', 'Atma', 'ever', 'urge', 'Asif', 'Adil', 'ate d', 'Isle', 'idol', 'aizz', 'ones', 'Oxac', 'Arya', 'idea', 'Ahom', 'upon', 'akin', 'away', 'axle', 'Alal', 'Asia', 'evil', 'Aziz', 'Asha', 'Abor', 'ound', 'axxf', 'AAD', 'azgc', 'aunt', 'ices', 'ora l', 'Udal', 'army', 'Isad', 'onto', 'acch', 'Asaf', 'eser', 'over', 'else', 'only', 'art', 'iles', 'Upon', 'arac', 'Amma', 'Once', 'ered', 'Azam', 'Abul', 'azzz', 'Urdu', 'Asit', 'acme', 'Used', 'Ala p', 'Omar', 'Aree', 'Akom', 'idal', 'Udio', 'amia', 'iron', 'Arab', 'acts', 'open', 'IUCN', 'unit', 'acch', 'onag', 'Also', 'Alam', 'lita', 'item', 'each', 'used', 'each', 'Ajit', 'Adha', 'azra', 'Eas t', 'Oral', 'area', 'Axis', 'Idra', 'awa', 'otto', 'ugly', 'edge', 'Iran', 'alas', 'anti', 'Anga', 'anew', 'Amir', 'Amar', 'Ajoy', 'once', 'alia', 'easy', 'URDU', 'Army', 'Aima', 'azra', 'ages', 'Age a', 'ad2B', 'Agni', 'Asax', 'idle', 'Oval', 'Ellu']
```

In [] :