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ASSIGNMENT ON REGEX

Design a python program to accept a file name through command line arguments.

Parse this file to perform the following:

1. Print all currencies in text, Accepted- $, ₹, £
2. Print all date times in the text- dd/mm/yyyy, dd/mm/yy, mm/dd/yyyy, mm/dd/yy
3. Print all cardinilities and orders- 4th, fifth, sixth, 1st, 2nd, nineteenth, fifth
4. Print all 4 letter words that begin with vowels

STEP 0 :- IMPORTING LIBRARIES

In [ ]:
```
import re
import sys
```

DATA 1

STEP 1 :- Opening File DATA 1

This file contains some random text with currency's and dates and some orders.

In [ ]:
```
f=open(sys.argv[1])
```

In [ ]:
```
with open(sys.argv[1],'r',encoding='utf-8') as f:
    data=f.readline()
data
```

The above 'readline()' will read a single line from the file. Line means when you press "enter" in the keyboard will typing your data that is considered as new line. Without pressing you keep on typing then it is considered as single line. i.e '\n'

In [ ]:
```
with open(sys.argv[1],'r',encoding='utf-8') as f:
    data=f.readlines()
data
```

The above 'readlines()' will read all lines from the file as list. Each line as an element in list.

In [ ]:
```
with open(sys.argv[1],'r',encoding='utf-8') as f:
    data=f.read()
data
```

The above 'read()' will read all lines from the file as single para.

STEP 2:- FINDING CURRENCY'S INCLUDING THE AMOUNT IN TEXT

In [ ]:
```
x=re.findall(r"(\d*?\.?\d+ ?[$₹£])",data)
```

In [ ]:
```
print(x)
```

FINDING ONLY THE SYMBOLS OF CURRENCY IN TEXT

In [ ]:
```
curr=re.findall("([$₹£])",data)
```

In [ ]:
```
print("Total Number Of Currency Symbols In the TEXT DATA are : ",len(curr))
print(f"Types Of Currency Symbols In the TEXT DATA are : ",len(set(curr))," ",set(curr))
print(curr)
```

STEP 3 :-PRINTING ALL THE FORMATES OF DATES IN THE TEXT

In [ ]:
```
dates=re.findall(r"((0[1-9]|1[0-2])/(0[1-9]|[12][0-9]|3[01])/(\d{4})\b)",data)
print("The Number of dates in the format of 'mm/dd/yyyy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|[12][0-9]|3[01])/(0[1-9]|1[0-2])/(\d{4})\b)",data)
print("The Number of dates in the format of 'dd/mm/yyyy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|[12][0-9]|3[01])/(0[1-9]|1[0-2])/(\d{2})\b)",data)
print("The Number of dates in the format of 'dd/mm/yy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|1[0-2])/(0[1-9]|[12][0-9]|3[01])/(\d{2})\b)",data)
print("The Number of dates in the format of 'mm/dd/yy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
```

STEP 4 :- PRINTING ALL CARDINILITIES AND ORDERS FROM THE TEXT

In [ ]:
```
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]+th)|(six[a-z]+(th|st|nd|rd))|(sev[a-z]+(th|st|nd|rd))|(eig[a-z]+(th|st|nd|rd))|(nine[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=[]
x1=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 CARDINILITIES AND ORDERS FOUND IN THE TEXT")
```

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

In [ ]:
```
four=re.findall(r"(\b(a|e|i|o|u|A|E|I|O|U)[a-zA-Z]{3}\b)",data)
fours=[]
for i in range(len(four)):
    fours.append(four[i][0])
print(fours)
```

WE WILL REPEAT THE ABOVE STEPS FOR THE REMAINING DATASETS

DATA 2

STEP 1 :- Opening File DATA 2

This TEXT file contains a story and some values of currency's.

In [ ]:
```
f=open(sys.argv[2])
```

In [ ]:
```
with open(sys.argv[2],'r',encoding='utf-8') as f:
    data=f.readline()
data
```

In [ ]:
```
with open(sys.argv[2],'r',encoding='utf-8') as f:
    data=f.readlines()
data
```

In [ ]:
```
with open(sys.argv[2],'r',encoding='utf-8') as f:
    data=f.read()
data
```

STEP 2:- FINDING CURRENCY'S INCLUDING THE AMOUNT IN TEXT

In [ ]:
```
x=re.findall(r"(\d*?\.?\d+ ?[$₹£])",data)
```

In [ ]:
```
x
```

FINDING ONLY THE SYMBOLS OF CURRENCY IN TEXT

In [ ]:
```
curr=re.findall("([$₹£])",data)
```

In [ ]:
```
print("Total Number Of Currency Symbols In the TEXT DATA are : ",len(curr))
print(f"Types Of Currency Symbols In the TEXT DATA are : ",len(set(curr))," ",set(curr))
print(curr)
```

STEP 3 :-PRINTING ALL THE FORMATES OF DATES IN THE TEXT

In [ ]:
```
dates=re.findall(r"((0[1-9]|1[0-2])/(0[1-9]|[12][0-9]|3[01])/(\d{4})\b)",data)
print("The Number of dates in the format of 'mm/dd/yyyy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|[12][0-9]|3[01])/(0[1-9]|1[0-2])/(\d{4})\b)",data)
print("The Number of dates in the format of 'dd/mm/yyyy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|[12][0-9]|3[01])/(0[1-9]|1[0-2])/(\d{2})\b)",data)
print("The Number of dates in the format of 'dd/mm/yy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|1[0-2])/(0[1-9]|[12][0-9]|3[01])/(\d{2})\b)",data)
print("The Number of dates in the format of 'mm/dd/yy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
```

STEP 4 :- PRINTING ALL CARDINILITIES AND ORDERS FROM THE TEXT

In [ ]:
```
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]+th)|(six[a-z]+(th|st|nd|rd))|(sev[a-z]+(th|st|nd|rd))|(eig[a-z]+(th|st|nd|rd))|(nine[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=[]
x1=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 CARDINILITIES AND ORDERS FOUND IN THE TEXT")
```

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

In [ ]:
```
four=re.findall(r"(\b(a|e|i|o|u|A|E|I|O|U)[a-zA-Z]{3}\b)",data)
fours=[]
for i in range(len(four)):
    fours.append(four[i][0])
print(fours)
```

DATA 3

STEP 1 :- Opening File DATA 3

This TEXT file contains INDIAN CONSTUITIONAL AMENDAMENTS with dates and order of the AMENDEMETS.

As there are no currencys in this file i have included some random currency symbols with and without amounts (4)

In [ ]:
```
f=open(sys.argv[3])
```

In [ ]:
```
with open(sys.argv[3],'r',encoding='utf-8') as f:
    data=f.readline()
data
```

In [ ]:
```
with open(sys.argv[3],'r',encoding='utf-8') as f:
    data=f.readlines()
data
```

In [ ]:
```
with open(sys.argv[3],'r',encoding='utf-8') as f:
    data=f.read()
data
```

STEP 2:- FINDING CURRENCY'S INCLUDING THE AMOUNT IN TEXT

In [ ]:
```
x=re.findall(r"(\d*?\.?\d+ ?[$₹£])",data)
```

In [ ]:
```
x
```

FINDING ONLY THE SYMBOLS OF CURRENCY IN TEXT

In [ ]:
```
curr=re.findall("([$₹£])",data)
```

In [ ]:
```
print("Total Number Of Currency Symbols In the TEXT DATA are : ",len(curr))
print(f"Types Of Currency Symbols In the TEXT DATA are : ",len(set(curr))," ",set(curr))
print(curr)
```

STEP 3 :-PRINTING ALL THE FORMATES OF DATES IN THE TEXT

In [ ]:
```
dates=re.findall(r"((0[1-9]|1[0-2])/(0[1-9]|[12][0-9]|3[01])/(\d{4})\b)",data)
print("The Number of dates in the format of 'mm/dd/yyyy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|[12][0-9]|3[01])/(0[1-9]|1[0-2])/(\d{4})\b)",data)
print("The Number of dates in the format of 'dd/mm/yyyy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|[12][0-9]|3[01])/(0[1-9]|1[0-2])/(\d{2})\b)",data)
print("The Number of dates in the format of 'dd/mm/yy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|1[0-2])/(0[1-9]|[12][0-9]|3[01])/(\d{2})\b)",data)
print("The Number of dates in the format of 'mm/dd/yy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
```

STEP 4 :- PRINTING ALL CARDINILITIES AND ORDERS FROM THE TEXT

In [ ]:
```
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]+th)|(six[a-z]+(th|st|nd|rd))|(sev[a-z]+(th|st|nd|rd))|(eig[a-z]+(th|st|nd|rd))|(nine[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=[]
x1=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 CARDINILITIES AND ORDERS FOUND IN THE TEXT")
```

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

In [ ]:
```
four=re.findall(r"(\b(a|e|i|o|u|A|E|I|O|U)[a-zA-Z]{3}\b)",data)
fours=[]
for i in range(len(four)):
    fours.append(four[i][0])
print(fours)
print("Tolal number of words without repetition are : ",len(set(fours)),"\n",set(fours))
```

DATA 4

STEP 1 :- Opening File DATA 4

This TEXT file contains fluctuation of indian currency with dollar and pound daywise.

In [ ]:
```
f=open(sys.argv[4])
```

In [ ]:
```
with open(sys.argv[4],'r',encoding='utf-8') as f:
    data=f.readline()
data
```

In [ ]:
```
with open(sys.argv[4],'r',encoding='utf-8') as f:
    data=f.readlines()
data
```

In [ ]:
```
with open(sys.argv[4],'r',encoding='utf-8') as f:
    data=f.read()
data
```

STEP 2:- FINDING CURRENCY'S INCLUDING THE AMOUNT IN TEXT

In [ ]:
```
x=re.findall(r"(\d*\.?\d+ ?[$₹£])",data)
x1=re.findall(r"([$₹£] ?\d*\.?\d+)",data)
```

In [ ]:
```
print(x+x1)
```

FINDING ONLY THE SYMBOLS OF CURRENCY IN TEXT

In [ ]:
```
curr=re.findall("([$₹£])",data)
```

In [ ]:
```
print("Total Number Of Currency Symbols In the TEXT DATA are : ",len(curr))
print(f"Types Of Currency Symbols In the TEXT DATA are : ",len(set(curr))," ",set(curr))
```

STEP 3 :-PRINTING ALL THE FORMATES OF DATES IN THE TEXT

In [ ]:
```
dates=re.findall(r"((0[1-9]|1[0-2])/(0[1-9]|[12][0-9]|3[01])/(\d{4})\b)",data)
print("The Number of dates in the format of 'mm/dd/yyyy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|[12][0-9]|3[01])/(0[1-9]|1[0-2])/(\d{4})\b)",data)
print("The Number of dates in the format of 'dd/mm/yyyy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|[12][0-9]|3[01])/(0[1-9]|1[0-2])/(\d{2})\b)",data)
print("The Number of dates in the format of 'dd/mm/yy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|1[0-2])/(0[1-9]|[12][0-9]|3[01])/(\d{2})\b)",data)
print("The Number of dates in the format of 'mm/dd/yy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
```

STEP 4 :- PRINTING ALL CARDINILITIES AND ORDERS FROM THE TEXT

In [ ]:
```
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]+th)|(six[a-z]+(th|st|nd|rd))|(sev[a-z]+(th|st|nd|rd))|(eig[a-z]+(th|st|nd|rd))|(nine[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=[]
x1=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 CARDINILITIES AND ORDERS FOUND IN THE TEXT")
```

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

In [ ]:
```
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(fours)
    print("Tolal number of words without repetition are : ",len(set(fours)),"\n",set(fours))
else:
    print("NO 4 LETTER WORDS STARTING WITH VOWELS FROM THE TEXT")
```

DATA 5

STEP 1 :- Opening File DATA 5

This TEXT file contains a book about indian history.

In [ ]:
```
f=open(sys.argv[5])
```

In [ ]:
```
with open(sys.argv[5],'r',encoding='utf-8') as f:
    data=f.read()
data
```

STEP 2:- FINDING CURRENCY'S INCLUDING THE AMOUNT IN TEXT

In [ ]:
```
x=re.findall(r"(\d*\.?\d+ ?[$₹£])",data)
x1=re.findall(r"([$₹£] ?\d*\.?\d+)",data)
```

In [ ]:
```
print(x+x1)
```

STEP 3 :-PRINTING ALL THE FORMATES OF DATES IN THE TEXT

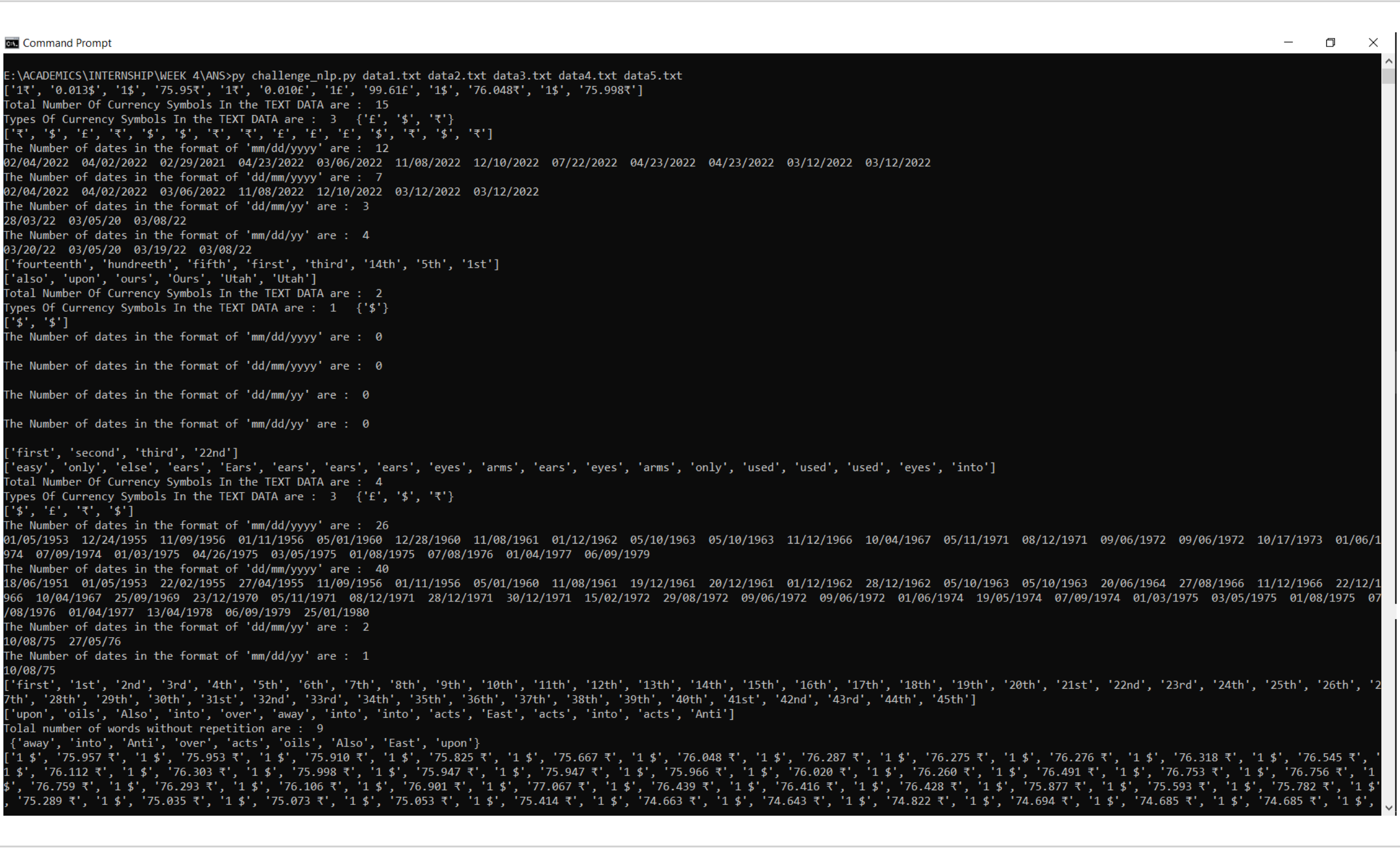
In [ ]:
```
dates=re.findall(r"((0[1-9]|1[0-2])/(0[1-9]|[12][0-9]|3[01])/(\d{4})\b)",data)
print("The Number of dates in the format of 'mm/dd/yyyy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|[12][0-9]|3[01])/(0[1-9]|1[0-2])/(\d{4})\b)",data)
print("The Number of dates in the format of 'dd/mm/yyyy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|[12][0-9]|3[01])/(0[1-9]|1[0-2])/(\d{2})\b)",data)
print("The Number of dates in the format of 'dd/mm/yy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
dates=re.findall(r"((0[1-9]|1[0-2])/(0[1-9]|[12][0-9]|3[01])/(\d{2})\b)",data)
print("The Number of dates in the format of 'mm/dd/yy' are : ",len(dates))
for i in range(len(dates)):
    print(dates[i][0],end='  ')
print()
```

STEP 4 :- PRINTING ALL CARDINILITIES AND ORDERS FROM THE TEXT

In [ ]:
```
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]+th)|(six[a-z]+(th|st|nd|rd))|(sev[a-z]+(th|st|nd|rd))|(eig[a-z]+(th|st|nd|rd))|(nine[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=[]
x1=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 CARDINILITIES AND ORDERS FOUND IN THE TEXT")
```

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

In [ ]:
```
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("Tolal number of words without repetition are : ",len(set(fours)),"\n",set(fours))
else:
    print("NO 4 LETTER WORDS STARTING WITH VOWELS FROM THE TEXT")
```



```
E:\ACADEMICS\INTERNSHIP\WEEK 4\ANS>py challenge_nlp.py data1.txt data2.txt data3.txt data4.txt data5.txt
['1₹', '0.013$', '1$', '75.95₹', '1₹', '0.010£', '1£', '99.61£', '1$', '76.048₹', '1$', '75.998₹']
Total Number Of Currency Symbols In the TEXT DATA are :  15
Types Of Currency Symbols In the TEXT DATA are :  3   {'£', '$', '₹'}
['₹', '$', '£', '₹', '$', '$', '₹', '₹', '£', '£', '£', '$', '₹', '$', '₹']
The Number of dates in the format of 'mm/dd/yyyy' are :  12
02/04/2022  04/02/2022  02/29/2021  04/23/2022  03/06/2022  11/08/2022  12/10/2022  07/22/2022  04/23/2022  04/23/2022  03/12/2022  03/12/2022
The Number of dates in the format of 'dd/mm/yyyy' are :  7
02/04/2022  04/02/2022  03/06/2022  11/08/2022  12/10/2022  03/12/2022  03/12/2022
The Number of dates in the format of 'dd/mm/yy' are :  3
28/03/22  03/05/20  03/08/22
The Number of dates in the format of 'mm/dd/yy' are :  4
03/20/22  03/05/20  03/19/22  03/08/22
['fourteenth', 'hundreeth', 'fifth', 'first', 'third', '14th', '5th', '1st']
['also', 'upon', 'ours', 'Ours', 'Utah', 'Utah']
Total Number Of Currency Symbols In the TEXT DATA are :  2
Types Of Currency Symbols In the TEXT DATA are :  1   {'$'}
['$', '$']
The Number of dates in the format of 'mm/dd/yyyy' are :  0

The Number of dates in the format of 'dd/mm/yyyy' are :  0

The Number of dates in the format of 'dd/mm/yy' are :  0

The Number of dates in the format of 'mm/dd/yy' are :  0

['first', 'second', 'third', '22nd']
['easy', 'only', 'else', 'ears', 'Ears', 'ears', 'ears', 'ears', 'eyes', 'arms', 'ears', 'eyes', 'arms', 'only', 'used', 'used', 'used', 'eyes', 'into']
Total Number Of Currency Symbols In the TEXT DATA are :  4
Types Of Currency Symbols In the TEXT DATA are :  3   {'£', '$', '₹'}
['$', '£', '₹', '$']
The Number of dates in the format of 'mm/dd/yyyy' are :  26
01/05/1953  12/24/1955  11/09/1956  01/11/1956  05/01/1960  12/28/1960  11/08/1961  01/12/1962  05/10/1963  05/10/1963  11/12/1966  10/04/1967  05/11/1971  08/12/1971  09/06/1972  09/06/1972  10/17/1973  01/06/1
974  07/09/1974  01/03/1975  04/26/1975  03/05/1975  01/08/1975  07/08/1976  01/04/1977  06/09/1979
The Number of dates in the format of 'dd/mm/yyyy' are :  40
18/06/1951  01/05/1953  22/02/1955  27/04/1955  11/09/1956  01/11/1956  05/01/1960  11/08/1961  19/12/1961  20/12/1961  01/12/1962  28/12/1962  05/10/1963  05/10/1963  20/06/1964  27/08/1966  11/12/1966  22/12/1
966  10/04/1967  25/09/1969  23/12/1970  05/11/1971  08/12/1971  28/12/1971  30/12/1971  15/02/1972  29/08/1972  09/06/1972  09/06/1972  01/06/1974  19/05/1974  07/09/1974  01/03/1975  03/05/1975  01/08/1975  07
/08/1976  01/04/1977  13/04/1978  06/09/1979  25/01/1980
The Number of dates in the format of 'dd/mm/yy' are :  2
10/08/75  27/05/76
The Number of dates in the format of 'mm/dd/yy' are :  1
10/08/75
['first', '1st', '2nd', '3rd', '4th', '5th', '6th', '7th', '8th', '9th', '10th', '11th', '12th', '13th', '14th', '15th', '16th', '17th', '18th', '19th', '20th', '21st', '22nd', '23rd', '24th', '25th', '26th', '2
7th', '28th', '29th', '30th', '31st', '32nd', '33rd', '34th', '35th', '36th', '37th', '38th', '39th', '40th', '41st', '42nd', '43rd', '44th', '45th']
['upon', 'oils', 'Also', 'into', 'over', 'away', 'into', 'into', 'acts', 'East', 'acts', 'into', 'acts', 'Anti']
Tolal number of words without repetition are :  9
 {'away', 'into', 'Anti', 'over', 'acts', 'oils', 'Also', 'East', 'upon'}
['1 $', '75.957 ₹', '1 $', '75.953 ₹', '1 $', '75.910 ₹', '1 $', '75.825 ₹', '1 $', '75.667 ₹', '1 $', '76.048 ₹', '1 $', '76.287 ₹', '1 $', '76.275 ₹', '1 $', '76.276 ₹', '1 $', '76.318 ₹', '1 $', '76.545 ₹', '
1 $', '76.112 ₹', '1 $', '76.303 ₹', '1 $', '75.998 ₹', '1 $', '75.947 ₹', '1 $', '75.947 ₹', '1 $', '75.966 ₹', '1 $', '76.020 ₹', '1 $', '76.260 ₹', '1 $', '76.491 ₹', '1 $', '76.753 ₹', '1 $', '76.756 ₹', '1
$', '76.759 ₹', '1 $', '76.293 ₹', '1 $', '76.106 ₹', '1 $', '76.901 ₹', '1 $', '77.067 ₹', '1 $', '76.439 ₹', '1 $', '76.416 ₹', '1 $', '76.428 ₹', '1 $', '75.877 ₹', '1 $', '75.593 ₹', '1 $', '75.782 ₹', '1 $'
, '75.289 ₹', '1 $', '75.035 ₹', '1 $', '75.073 ₹', '1 $', '75.053 ₹', '1 $', '75.414 ₹', '1 $', '74.663 ₹', '1 $', '74.643 ₹', '1 $', '74.822 ₹', '1 $', '74.694 ₹', '1 $', '74.685 ₹', '1 $', '74.685 ₹', '1 $',
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In [ ]:
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