

```
In [1]: import pandas as pd

In [2]: from glob import glob

In [3]: files = glob('Exchange_Rate_Report*')

In [4]: files

Out[4]: ['Exchange_Rate_Report_2012.csv',
'Exchange_Rate_Report_2013.csv',
'Exchange_Rate_Report_2014.csv',
'Exchange_Rate_Report_2015.csv',
'Exchange_Rate_Report_2016.csv',
'Exchange_Rate_Report_2017.csv',
'Exchange_Rate_Report_2018.csv',
'Exchange_Rate_Report_2019.csv',
'Exchange_Rate_Report_2020.csv',
'Exchange_Rate_Report_2021.csv',
'Exchange_Rate_Report_2022.csv']

In [5]: data = pd.concat( (pd.read_csv(file) for file in files),ignore_index=True)

In [6]: data

Out[6]:
   Date      Algerian  Australian  Bahrain  Boliviar  Botswana  Brazilian  Brunei  Canadian  Chilean  ...  Swedish  Swiss  Thai  Trinidadian  Tunisian  U.A.E.  U.K.  U.S.  Uruguayan  Boliviar
   Date      dinar      dollar      dinar      Fuerte      pula      real      dollar      dollar  peso  ...  krona  franc  baht  dollar      dinar      dirham  pound  dollar  peso  Soberano
   (DZD)      (AUD)      (BHD)      (VEF)      (BWP)      (BRL)      (R$)      (C$)      (CLP)  ...  (SEK)  (CHF)  (THB)  (TTD)      (TND)      (AED)  (GBP)  (USD)  (UYU)  (VES)

0      3-  N/A      0.971440      0.376      N/A      N/A      1.8485      1.2925      1.0090      518.20  ...      N/A      0.9334      N/A      N/A      1.4987      3.6725      0.640574      1      19.700      N/A
1  Jan-  N/A      0.965904      0.376      4.2893      7.490637      1.8304      1.2874      1.0135      514.34  ...      6.8152      0.9384      31.463      6.4062      1.4942      3.6725      0.641190      1      19.689      N/A
12  12  N/A      0.968711      0.376      4.2893      7.530120      1.8432      1.2883      1.0197      512.23  ...      6.8493      0.9492      31.557      6.3886      1.4951      3.6725      0.644330      1      19.707      N/A
2  Jan-  N/A      0.968711      0.376      4.2893      7.530120      1.8432      1.2883      1.0197      512.23  ...      6.8493      0.9492      31.557      6.3886      1.4951      3.6725      0.644330      1      19.707      N/A
12  12  N/A      0.968711      0.376      4.2893      7.530120      1.8432      1.2883      1.0197      512.23  ...      6.8493      0.9492      31.557      6.3886      1.4951      3.6725      0.644330      1      19.707      N/A
3  Jan-  76.3243      0.978378      0.376      4.2893      7.530120      1.8416      1.2923      1.0232      511.80  ...      N/A      0.9516      31.637      6.3994      1.5046      3.6725      0.645245      1      N/A      N/A
12  12  N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
4  Jan-  76.5183      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
12  12  N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...
2643 Aug- 22- 141.0594      1.450958      N/A      N/A      12.787724      5.1703      1.3927      1.3035      945.35  ...      10.6251      0.9687      35.938      6.7687      N/A      3.6725      0.847170      1      40.431      N/A
23- 23-
2644 Aug- 22- 141.2180      1.454122      N/A      N/A      12.836970      5.1024      1.3971      1.2972      945.47  ...      10.7180      0.9667      36.226      6.7560      N/A      3.6725      0.850051      1      40.369      N/A
24- 24-
2645 Aug- 22- 140.9474      1.448226      N/A      N/A      12.836970      5.1044      1.3955      1.2983      926.94  ...      10.6617      0.9640      36.162      6.7701      N/A      3.6725      0.849185      1      40.401      N/A
25- 25-
2646 Aug- 22- 140.6518      1.437815      N/A      N/A      12.788853      5.1167      1.3916      1.2937      915.60  ...      10.5645      0.9638      35.894      6.7554      N/A      3.6725      0.845594      1      N/A      N/A
26- 26-
2647 Aug- 22- 140.4196      1.437401      N/A      N/A      12.788853      5.0897      1.3904      1.2989      910.03  ...      10.6006      0.9628      35.900      6.7171      N/A      N/A      0.844951      1      40.421      N/A
22  22

2648 rows x 53 columns

In [8]: val = input("Enter your Currency Code ")
Enter your Currency Code INR

In [9]: print(val)
INR

In [13]: data.Date

Out[13]:
0      3-Jan-12
1      4-Jan-12
2      5-Jan-12
3      6-Jan-12
4      9-Jan-12
...
2643  22-Aug-22
2644  23-Aug-22
2645  24-Aug-22
2646  25-Aug-22
2647  26-Aug-22
Name: Date, Length: 2648, dtype: object

In [19]: print(data.columns)
Index(['Date', 'Algerian dinar (DZD)', 'Australian dollar (AUD)', 'Bahraini dinar (BHD)', 'Boliviar Fuerte (VEF)', 'Botswana pula (BWP)', 'Brazilian real (BRL)', 'Brunei dollar (BND)', 'Canadian dollar (CAD)', 'Chilean peso (CLP)', 'Chinese yuan (CNY)', 'Colombian peso (COP)', 'Czech koruna (CZK)', 'Danish krone (DKK)', 'Euro (EUR)', 'Hungarian forint (HUF)', 'Indonesian rupiah (IDR)', 'Iranian rial (IRR)', 'Israeli New Shekel (ILS)', 'Japanese yen (JPY)', 'Kazakhstani tenge (KZT)', 'Korean won (KRW)', 'Kuwaiti dinar (KWD)', 'Libyan dinar (LYD)', 'Malaysian ringgit (MYR)', 'Mauritian rupee (MUR)', 'Mexican peso (MXN)', 'New Zealand dollar (NZD)', 'Norwegian krone (NOK)', 'Omani rial (OMR)', 'Pakistani rupee (PKR)', 'Peruvian sol (PEN)', 'Philippine peso (PHP)', 'Polish zloty (PLN)', 'Qatari riyal (QAR)', 'Russian ruble (RUB)', 'Saudi Arabian riyal (SAR)', 'Singapore dollar (SGD)', 'South African rand (ZAR)', 'Sri Lankan rupee (LKR)', 'Swedish krona (SEK)', 'Swiss franc (CHF)', 'Thai baht (THB)', 'Trinidadian dollar (TTD)', 'Tunisian dinar (TND)', 'U.A.E. dirham (AED)', 'U.K. pound (GBP)', 'U.S. dollar (USD)', 'Uruguayan peso (UYU)', 'Bolivar Soberano (VES)'],
dtype='object')

In [28]: data["Indian rupee (INR)"]

Out[28]:
0      53.2300
1      53.1400
2      52.7800
3      52.7800
4      52.7300
...
2643  79.8793
2644  79.8993
2645  79.7927
2646  79.8795
2647  79.9897
Name: Indian rupee (INR), Length: 2648, dtype: float64

In [24]: data.columns

Out[24]:
Index(['Date', 'Algerian dinar (DZD)', 'Australian dollar (AUD)', 'Bahraini dinar (BHD)', 'Boliviar Fuerte (VEF)', 'Botswana pula (BWP)', 'Brazilian real (BRL)', 'Brunei dollar (BND)', 'Canadian dollar (CAD)', 'Chilean peso (CLP)', 'Chinese yuan (CNY)', 'Colombian peso (COP)', 'Czech koruna (CZK)', 'Danish krone (DKK)', 'Euro (EUR)', 'Hungarian forint (HUF)', 'Indonesian rupiah (IDR)', 'Iranian rial (IRR)', 'Israeli New Shekel (ILS)', 'Japanese yen (JPY)', 'Kazakhstani tenge (KZT)', 'Korean won (KRW)', 'Kuwaiti dinar (KWD)', 'Libyan dinar (LYD)', 'Malaysian ringgit (MYR)', 'Mauritian rupee (MUR)', 'Mexican peso (MXN)', 'New Zealand dollar (NZD)', 'Norwegian krone (NOK)', 'Omani rial (OMR)', 'Pakistani rupee (PKR)', 'Peruvian sol (PEN)', 'Philippine peso (PHP)', 'Polish zloty (PLN)', 'Qatari riyal (QAR)', 'Russian ruble (RUB)', 'Saudi Arabian riyal (SAR)', 'Singapore dollar (SGD)', 'South African rand (ZAR)', 'Sri Lankan rupee (LKR)', 'Swedish krona (SEK)', 'Swiss franc (CHF)', 'Thai baht (THB)', 'Trinidadian dollar (TTD)', 'Tunisian dinar (TND)', 'U.A.E. dirham (AED)', 'U.K. pound (GBP)', 'U.S. dollar (USD)', 'Uruguayan peso (UYU)', 'Bolivar Soberano (VES)'],
dtype='object')

In [33]: for column in data.columns:
if val in column:
print(val)
INR

In [36]: for column in data.columns:
if val in column:
print(column)
Indian rupee (INR)

In [37]: newdata = data

In [38]: for column in data.columns:
if val in column:
print(newdata[column])

KeyboardInterrupt

In [39]: print(newdata)

   Date      Algerian  Australian  Bahrain  Boliviar  Botswana  Brazilian  Brunei  Canadian  Chilean  ...  Swedish  Swiss  Thai  Trinidadian  Tunisian  U.A.E.  U.K.  U.S.  Uruguayan  Boliviar
   Date      dinar      dollar      dinar      Fuerte      pula      real      dollar      dollar  peso  ...  krona  franc  baht  dollar      dinar      dirham  pound  dollar  peso  Soberano
   (DZD)      (AUD)      (BHD)      (VEF)      (BWP)      (BRL)      (R$)      (C$)      (CLP)  ...  (SEK)  (CHF)  (THB)  (TTD)      (TND)      (AED)  (GBP)  (USD)  (UYU)  (VES)

0      3-Jan-12      N/A      0.971440      0.376      N/A      N/A      1.8485      1.2925      1.0090      518.20  ...      N/A      0.9334      N/A      N/A      1.4987      3.6725      0.640574      1      19.700      N/A
1      4-Jan-12      N/A      0.965904      0.376      4.2893      7.490637      1.8304      1.2874      1.0135      514.34  ...      6.8152      0.9384      31.463      6.4062      1.4942      3.6725      0.641190      1      19.689      N/A
2      5-Jan-12      N/A      0.968711      0.376      4.2893      7.530120      1.8432      1.2883      1.0197      512.23  ...      6.8493      0.9492      31.557      6.3886      1.4951      3.6725      0.644330      1      19.707      N/A
3      6-Jan-12      N/A      0.968711      0.376      4.2893      7.530120      1.8432      1.2883      1.0197      512.23  ...      6.8493      0.9492      31.557      6.3886      1.4951      3.6725      0.644330      1      19.707      N/A
4      9-Jan-12      N/A      0.968711      0.376      4.2893      7.530120      1.8432      1.2883      1.0197      512.23  ...      6.8493      0.9492      31.557      6.3886      1.4951      3.6725      0.644330      1      19.707      N/A
...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...
2643  22-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
2644  23-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
2645  24-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
2646  25-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
2647  26-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
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2645  24-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
2646  25-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
2647  26-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...
2643  22-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
2644  23-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
2645  24-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
2646  25-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
2647  26-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...
2643  22-Aug-22      N/A      0.963284      0.376      4.2893      7.530120      1.8442      1.2994      1.0272      509.54  ...      6.9227      0.9520      31.793      6.3931      1.5145      3.6725      0.647585      1      19.650      N/A
2644  23-Aug-22      N/A      0.963284      0.376      4.2893      7.
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