

In [4]: `import pandas as pd`

In [12]: `raw_file = pd.read_csv(r"C:\Users\ruchi\Downloads\raw_data.csv")`
`raw_file`

Out[12]:

	ADDR	Unnamed: 1	Unnamed: 2	DT	NAME	time
0	45 rd, kenith street, btm, bangalore 500038	NaN	NaN	03-04-2022	abc	8:30:21
1	45 rd, street, hitech, Hd 500038	NaN	NaN	02-04-2022	dec	5:30:21

In [16]: `raw_file = raw_file.loc[:,~raw_file.columns.str.startswith('Unnamed')]`
`raw_file`

Out[16]:

	ADDR	DT	NAME	time
0	45 rd, kenith street, btm, bangalore 500038	03-04-2022	abc	8:30:21
1	45 rd, street, hitech, Hd 500038	02-04-2022	dec	5:30:21

In [18]: `raw_file.info()`

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 2 entries, 0 to 1
Data columns (total 4 columns):
#   Column  Non-Null Count  Dtype
---  -
0   ADDR    2 non-null         object
1   DT       2 non-null         object
2   NAME    2 non-null         object
3   time    2 non-null         object
dtypes: object(4)
memory usage: 196.0+ bytes
```

In [20]: `raw_file.describe()`

Out[20]:

	ADDR	DT	NAME	time
count	2	2	2	2
unique	2	2	2	2
top	45 rd, kenith street, btm, bangalore 500038	03-04-2022	abc	8:30:21
freq	1	1	1	1

In [24]: `raw_file[['Road','Street','Area','City']]=raw_file['ADDR'].str.split(', ',expand=True)`
`raw_file.head()`

C:\Users\ruchi\AppData\Local\Temp\ipykernel_4076\1337292767.py:1: SettingWithCopyWarning:
Warning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

```
raw_file[['Road', 'Street', 'Area', 'City']] = raw_file['ADDR'].str.split(',', expand = True)
```

Out[24]:

	ADDR	DT	NAME	time	Road	Street	Area	City
0	45 rd, kenith street, btm, bangalore 500038	03-04-2022	abc	8:30:21	45 rd	kenith street	btm	bangalore 500038
1	45 rd, street, hitech, Hd 500038	02-04-2022	dec	5:30:21	45 rd	street	hitech	Hd 500038

In [28]:

```
raw_file=raw_file.drop(columns=['ADDR'])
raw_file.head()
```

Out[28]:

	DT	NAME	time	Road	Street	Area	City
0	03-04-2022	abc	8:30:21	45 rd	kenith street	btm	bangalore 500038
1	02-04-2022	dec	5:30:21	45 rd	street	hitech	Hd 500038

In [36]:

```
raw_file[['Hour', 'Minute', 'Second']] = raw_file['time'].str.split(':', expand = True)
raw_file.head()
```

Out[36]:

	DT	NAME	time	Road	Street	Area	City	Hour	Minute	Second
0	03-04-2022	abc	8:30:21	45 rd	kenith street	btm	bangalore 500038	8	30	21
1	02-04-2022	dec	5:30:21	45 rd	street	hitech	Hd 500038	5	30	21

In [44]:

```
raw_file[['Day', 'Month', 'Year']] = raw_file['DT'].str.split('-', expand = True)
raw_file.head()
```

Out[44]:

	DT	NAME	time	Road	Street	Area	City	Hour	Minute	Second	Day
0	03-04-2022	abc	8:30:21	45 rd	kenith street	btm	bangalore 500038	8	30	21	03
1	02-04-2022	dec	5:30:21	45 rd	street	hitech	Hd 500038	5	30	21	02



In []: raw_file.i