

In [1]: `import pandas as pd`

In [2]: `raw_file=pd.read_csv(r'C:\Users\hp\Downloads/raw_data.csv')`

In [3]: `raw_file`

Out[3]:

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

In [5]: `raw_file`

Out[5]:

	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 [6]: `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 [7]: `raw_file.describe()`

Out[7]:

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

In [8]: `raw_file[['Road','Street','Area','City']]=raw_file['ADDR'].str.split(', ',expand=`

C:\Users\hp\AppData\Local\Temp\ipykernel\_18800\223386991.py:1: SettingWithCopyWarning:  
 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](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)
```

In [9]: raw\_file

Out[9]:

	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 [10]: raw\_file=raw\_file.drop(columns=['ADDR'])

In [11]: raw\_file.head()

Out[11]:

	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 [12]: raw\_file[['Hour','Minute','Second']]=raw\_file['time'].str.split(':',expand=True)

In [13]: raw\_file.head()

Out[13]:

	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 [14]: raw\_file[['Day','Month','Year']]=raw\_file['DT'].str.split('-',expand=True)

In [15]: raw\_file.head()

Out[15]:

	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 [ ]: