

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

Dataset

```
In [65]: Data = {"Address":["45rd,kenith street,btm,bangalore,500038",
"45rd ,street,hitech,Hd,500038"],
>Date": [" 4/3/2022 ", " 2/3/2022"],
>Name": ["ABC", "DEF"],
>Time": ["8:30:31", "5:30:21"]
}
```

Convert to data Frame

```
In [71]: df1 = pd.DataFrame(Data)
df1
```

```
Out[71]:
```

	Address	Date	Name	Time
0	45rd,kenith street,btm,bangalore,500038	4/3/2022	ABC	8:30:31
1	45rd ,street,hitech,Hd,500038	2/3/2022	DEF	5:30:21

```
In [73]: df1["Address"]
```

```
Out[73]: 0    45rd,kenith street,btm,bangalore,500038
1    45rd ,street,hitech,Hd,500038
Name: Address, dtype: object
```

Split Address into Multiple Columns

```
In [76]: df1[["House No.", "Street", "City", "State", "Pincode"]] = df1["Address"].str.sp
```

```
In [78]: print(df1)
```

```

      Address      Date Name  Time \
0  45rd,kenith street,btm,bangalore,500038  4/3/2022  ABC  8:30:31
1    45rd ,street,hitech,Hd,500038  2/3/2022  DEF  5:30:21

      House No.      Street      City      State Pincode
0    45rd  kenith street      btm  bangalore  500038
1    45rd      street  hitech      Hd  500038
```

Split Date into Day,Month,Year

```
In [82]: df1["Date"]
```

```
Out[82]: 0    4/3/2022
         1    2/3/2022
         Name: Date, dtype: object
```

```
In [84]: df1[["Day", "Month", "Year"]] = df1["Date"].str.split('/', expand=True)
```

```
In [86]: print(df1)
```

	Address	Date	Name	Time	\
0	45rd,kenith street,btm,bangalore,500038	4/3/2022	ABC	8:30:31	
1	45rd ,street,hitech,Hd,500038	2/3/2022	DEF	5:30:21	

	House No.	Street	City	State	Pincode	Day	Month	Year
0	45rd	kenith street	btm	bangalore	500038	4	3	2022
1	45rd	street	hitech	Hd	500038	2	3	2022

Split Time into Hr,Min,Sec

```
In [91]: df1[["Hour", "Minutes", "Seconds"]] = df1["Time"].str.split(":", expand=True)
         df1
```

```
Out[91]:
```

	Address	Date	Name	Time	House No.	Street	City	State
0	45rd,kenith street,btm,bangalore,500038	4/3/2022	ABC	8:30:31	45rd	kenith street	btm	bangalore
1	45rd ,street,hitech,Hd,500038	2/3/2022	DEF	5:30:21	45rd	street	hitech	Hd

Drop the Original Columns

```
In [96]: df1.drop(columns=["Time"], inplace=True)
         df1.drop(columns=["Date"], inplace=True)
         df1.drop(columns=["Address"], inplace=True)
         df1
```

```
Out[96]:
```

	Name	House No.	Street	City	State	Pincode	Day	Month	Year	Hour	Minute
0	ABC	45rd	kenith street	btm	bangalore	500038	4	3	2022	8	3
1	DEF	45rd	street	hitech	Hd	500038	2	3	2022	5	3