

Import Pandas

In [1]: `import pandas as pd`

Create a Data

In [2]: `Data = { "Name" : ["Ramu","Somu",'Mahesh'],
 "Address" : ["14/32 ,Maruthi nagar,Suryapet ,508213","3-88, auto nagar , H
 "Date" : ['14-04-2025','15-08-2025','10-08-2025'],
 "Time" : ['5:30:10','8:40:20','12:30:45']}`

In [3]: `Data`

Out[3]: `{'Name': ['Ramu', 'Somu', 'Mahesh'],
 'Address': ['14/32 ,Maruthi nagar,Suryapet ,508213',
 '3-88, auto nagar , Hyderabad , 500036',
 '6-89, Gandhi nagar , Miryalaguda , 508104'],
 'Date': ['14-04-2025', '15-08-2025', '10-08-2025'],
 'Time': ['5:30:10', '8:40:20', '12:30:45']}`

Convert to DataFrame

In [4]: `df = pd.DataFrame(Data)`

In [5]: `df`

Out[5]:

	Name	Address	Date	Time
0	Ramu	14/32 ,Maruthi nagar,Suryapet ,508213	14-04-2025	5:30:10
1	Somu	3-88, auto nagar , Hyderabad , 500036	15-08-2025	8:40:20
2	Mahesh	6-89, Gandhi nagar , Miryalaguda , 508104	10-08-2025	12:30:45

In [6]: `df["Address"]`

Out[6]: `0 14/32 ,Maruthi nagar,Suryapet ,508213
1 3-88, auto nagar , Hyderabad , 500036
2 6-89, Gandhi nagar , Miryalaguda , 508104
Name: Address, dtype: object`

Split Address into Multiple Columns

In [7]: `df[["House No","Street","City","Pincode"]] = df["Address"].str.split(',',expand = T`

In [8]: df

Out[8]:

	Name	Address	Date	Time	House No	Street	City	Pincode
0	Ramu	14/32 ,Maruthi nagar,Suryapet ,508213	14-04-2025	5:30:10	14/32	Maruthi nagar	Suryapet	508213
1	Somu	3-88, auto nagar , Hyderabad , 500036	15-08-2025	8:40:20	3-88	auto nagar	Hyderabad	500036
2	Mahesh	6-89, Gandhi nagar , Miryalaguda , 508104	10-08-2025	12:30:45	6-89	Gandhi nagar	Miryalaguda	508104

In [9]: df["Date"]

Out[9]: 0 14-04-2025
1 15-08-2025
2 10-08-2025
Name: Date, dtype: object

Split Date ----> Day, Month, Year

In [12]: df[["Day", "Month", "Year"]] = df["Date"].str.split('-', expand = True)

In [13]: df

Out[13]:

	Name	Address	Date	Time	House No	Street	City	Pincode	Day	Mo
0	Ramu	14/32 ,Maruthi nagar,Suryapet ,508213	14-04-2025	5:30:10	14/32	Maruthi nagar	Suryapet	508213	14	
1	Somu	3-88, auto nagar , Hyderabad , 500036	15-08-2025	8:40:20	3-88	auto nagar	Hyderabad	500036	15	
2	Mahesh	6-89, Gandhi nagar , Miryalaguda , 508104	10-08-2025	12:30:45	6-89	Gandhi nagar	Miryalaguda	508104	10	



In [14]: df.Time

```
Out[14]: 0      5:30:10
          1      8:40:20
          2     12:30:45
          Name: Time, dtype: object
```

Split Time ----> Hour, Minutes, Seconds

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In [15]: df[["Hour","Minutes","Seconds"]] = df["Time"].str.split(':',expand = True)
```

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In [16]: df
```

Out[16]:

	Name	Address	Date	Time	House No	Street	City	Pincode	Day	Mo
0	Ramu	14/32 ,Maruthi nagar,Suryapet ,508213	14-04-2025	5:30:10	14/32	Maruthi nagar	Suryapet	508213	14	
1	Somu	3-88, auto nagar , Hyderabad , 500036	15-08-2025	8:40:20	3-88	auto nagar	Hyderabad	500036	15	
2	Mahesh	6-89, Gandhi nagar , Miryalaguda , 508104	10-08-2025	12:30:45	6-89	Gandhi nagar	Miryalaguda	508104	10	

Drop the Original Columns

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In [18]: df.drop(columns = ["Address"],inplace = True)
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In [20]: df.drop(columns = ["Date"],inplace = True)
```

```
In [22]: df.drop(columns = ["Time"],inplace = True)
```

```
In [23]: print(df)
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	Name	House No	Street	City	Pincode	Day	Month	Year	\
0	Ramu	14/32	Maruthi nagar	Suryapet	508213	14	04	2025	
1	Somu	3-88	auto nagar	Hyderabad	500036	15	08	2025	
2	Mahesh	6-89	Gandhi nagar	Miryalaguda	508104	10	08	2025	
	Hour	Minutes	Seconds						
0	5	30	10						
1	8	40	20						
2	12	30	45						

```
In [24]: df
```

Out[24]:

	Name	House No	Street	City	Pincode	Day	Month	Year	Hour	Minutes	Sec
0	Ramu	14/32	Maruthi nagar	Suryapet	508213	14	04	2025	5	30	
1	Somu	3-88	auto nagar	Hyderabad	500036	15	08	2025	8	40	
2	Mahesh	6-89	Gandhi nagar	Miryalaguda	508104	10	08	2025	12	30	

In []: