In [1]:

```
import pandas as pd # importing library
```

In [19]:

```
hnstreet btm ka 56007','25thave mgroad whitefield ka 789098'],
 '1st jan 2023'],
:45:23']}     # Creating the data with help of dictionary(here i used list inside dictionary as i have multiple
```

In [20]:

```
df = pd.DataFrame(data) # Creating a pandas Dataframe
```

In [21]:

```
df # Calling the dataframe
```

Out[21]:

	Address	Date	Time
0	56throad johnstreet btm ka 56007	6th mar 2023	07:56:32
1	25thave mgroad whitefield ka 789098	1st jan 2023	02:45:23

In [15]:

```
df.Address.str.split(' ') # i am using split function for splitting the data,here i have done splitting by space
```

Out[15]:

```
0       [56throad, johnstreet, btm, ka, 56007]
1    [25thave, mgroad, whitefield, ka, 789098]
Name: Address, dtype: object
```

In [22]:

```
df.Date.str.split()
```

Out[22]:

```
0    [6th, mar, 2023]
1    [1st, jan, 2023]
Name: Date, dtype: object
```

In [14]:

```
df.Time.str.split(':') # here i have done splitting by :
```

Out[14]:

```
0    [ 07, 56, 32]
1     [02, 45, 23]
Name: Time, dtype: object
```

Now i am going to use .apply function and lambda function for adding each new columns for the splitted values and finally dropping the columns which are not necessary..while doing this we have to make sure the no.of column which we entered should be equal to no.of splitted columns otherwise it will throw error.

In [23]:

```
df[['Lane','Street','City','State','Pincode']]=df['Address'].apply(lambda x: pd.Series(str(x).split(" ")))
df[['Date','Month','Year']] = df['Date'].apply(lambda x:pd.Series(str(x).split(" ")))
df[['Hour','Minute','Second']] = df['Time'].apply(lambda x:pd.Series(str(x).split(":")))
df=df.drop(['Address','Date','Time'],axis=1)
```

In [24]:

```
df
```

Out[24]:

	Lane	Street	City	State	Pincode	Month	Year	Hour	Minute	Second
0	56throad	johnstreet	btm	ka	56007	mar	2023	07	56	32
1	25thave	mgroad	whitefield	ka	789098	jan	2023	02	45	23

In [ ]: