

```
In [105... address = ("134/23, mahishmati, bahubali mandalam, bala district, rajamatha state, rajamouli country")
```

```
In [106... s_a = address.split()  
print(s_a)
```

```
['134/23,', 'mahishmati,', 'bahubali', 'mandalam,', 'bala', 'district,', 'rajamatha', 'state,', 'rajamouli', 'country']
```

## To Convert Raw Data to Clean Data

```
In [108... data = {"Address": ["9876,Jasmine Avenue,Anandapuram,Vishakhapatnam,Andhra Pradesh,530001,India", "5432,Rosewood Lane,Kalyanapu
```

```
In [109... data
```

```
Out[109... {'Address': ['9876,Jasmine Avenue,Anandapuram,Vishakhapatnam,Andhra Pradesh,530001,India',  
             '5432,Rosewood Lane,Kalyanapuram,Coimbatore,Tamil Nadu,641001,India'],  
            'Date': ['18-10-2024', '17-10-2024'],  
            'Time': ['12:30:99', '15:20:78']}
```

```
In [110... import pandas as pd
```

```
In [111... df= pd.DataFrame(data)
```

```
In [112... df[['house','street','city','district','state','Pin Code','Country']] = df['Address'].str.split(',',expand=True)
```

```
In [113... df
```

Out[113...

	Address	Date	Time	house	street	city	district	state	Pin Code	Country
0	9876,Jasmine Avenue,Anandapuram,Vishakhapatnam...	18-10-2024	12:30:99	9876	Jasmine Avenue	Anandapuram	Vishakhapatnam	Andhra Pradesh	530001	India
1	5432,Rosewood Lane,Kalyanapuram,Coimbatore,Tam...	17-10-2024	15:20:78	5432	Rosewood Lane	Kalyanapuram	Coimbatore	Tamil Nadu	641001	India

In [114...

```
df = df.drop("Address",axis=1)
```

In [115...

```
df
```

Out[115...

	Date	Time	house	street	city	district	state	Pin Code	Country
0	18-10-2024	12:30:99	9876	Jasmine Avenue	Anandapuram	Vishakhapatnam	Andhra Pradesh	530001	India
1	17-10-2024	15:20:78	5432	Rosewood Lane	Kalyanapuram	Coimbatore	Tamil Nadu	641001	India

In [116...

```
df[["Day","Month","Year"]] = df["Date"].str.split("-",expand=True)
```

In [117...

```
df
```

Out[117...

	Date	Time	house	street	city	district	state	Pin Code	Country	Day	Month	Year
0	18-10-2024	12:30:99	9876	Jasmine Avenue	Anandapuram	Vishakhapatnam	Andhra Pradesh	530001	India	18	10	2024
1	17-10-2024	15:20:78	5432	Rosewood Lane	Kalyanapuram	Coimbatore	Tamil Nadu	641001	India	17	10	2024

In [132...

```
df = df.drop("Date",axis=1)
```

In [134...

```
df
```

Out[134...

	Time	house	street	city	district	state	Pin Code	Country	Day	Month	Year
0	12:30:99	9876	Jasmine Avenue	Anandapuram	Vishakhapatnam	Andhra Pradesh	530001	India	18	10	2024
1	15:20:78	5432	Rosewood Lane	Kalyanapuram	Coimbatore	Tamil Nadu	641001	India	17	10	2024

In [136...

```
df[["Hours","Minutes","Seconds"]] = df["Time"].str.split(":",expand= True)
```

In [138...

```
df
```

Out[138...

	Time	house	street	city	district	state	Pin Code	Country	Day	Month	Year	Hours	Minutes	Seconds
0	12:30:99	9876	Jasmine Avenue	Anandapuram	Vishakhapatnam	Andhra Pradesh	530001	India	18	10	2024	12	30	99
1	15:20:78	5432	Rosewood Lane	Kalyanapuram	Coimbatore	Tamil Nadu	641001	India	17	10	2024	15	20	78

In [142...

```
df = df.drop("Time",axis=1)
```

In [144...

```
df
```

Out[144...

	house	street	city	district	state	Pin Code	Country	Day	Month	Year	Hours	Minutes	Seconds
0	9876	Jasmine Avenue	Anandapuram	Vishakhapatnam	Andhra Pradesh	530001	India	18	10	2024	12	30	99
1	5432	Rosewood Lane	Kalyanapuram	Coimbatore	Tamil Nadu	641001	India	17	10	2024	15	20	78

In [ ]: