

```
In [ ]: pip install pandas
```

```
In [ ]: import pandas as pd
```

```
In [ ]: pd.read_csv("https://raw.githubusercontent.com/sitmbadept/sitmbadept.github.io/main/BDTM/R/IPL.csv")
```

```
In [ ]: pd.read_excel("https://github.com/sitmbadept/sitmbadept.github.io/blob/main/BDTM/R/orders_data.xlsx?raw=true")
```

```
In [ ]: ipl = pd.read_csv("https://raw.githubusercontent.com/sitmbadept/sitmbadept.github.io/main/BDTM/R/IPL.csv")
```

```
In [ ]: # View DataFrame Structure  
ipl.info()
```

```
In [ ]: # View No of Rows & Columns  
ipl.shape  
  
# 132 rows & 26 columns
```

```
In [ ]: # Display First & Last few records  
ipl.head() #Default is 5
```

```
In [ ]: ipl.head(2) #Custom number of records
```

```
In [ ]: ipl.tail() #Default is 5
```

```
In [ ]: # Frequency count of unique value present in Columns  
ipl['COUNTRY'].value_counts()
```

```
In [ ]: # Cross tab for multiple columns  
pd.crosstab(ipl['COUNTRY'], ipl['PLAYING ROLE'])
```

```
In [ ]: ipl=ipl[ipl['AGE'].isnull()==False]
```



```
In [ ]: # Select Row based on Index  
ipl[0:10]
```

```
In [ ]: # iloc provide two index Row Index & Column index so we can slice dataframe based on Row & Col index  
ipl.iloc[1,2] #2nd row & 3rd column value...index starts from 0 so 0 is first column & row in DF
```

```
In [ ]: ipl.iloc[0:10] #0-10 rows & all the columns  
ipl.iloc[0:10, 1:5] #0-10 rows & 1-5 columns
```

```
In [ ]: ipl.iloc[[0,10,20],[1,10,2,10]]
```

```
In [ ]: ipl[ipl['COUNTRY']=='SL']
```

```
In [ ]: ipl[  
    (ipl['COUNTRY']=='SL') &  
    (ipl['TEAM']=='MI') &  
    (ipl['AGE']==2.0)  
]
```

```
In [ ]:
```