## **Operations on Multi-Index**

# Work with multi-index DataFrames and perform operations on different levels.

```
In [4]: import pandas as pd
        data ={
            'City':['Delhi','Delhi','Vadodara','Vadodara'],
            'Year':[2020,2021,2020,2021],
            'Sales':[100,120,80,90]
        df = pd.DataFrame(data).set_index(['City', 'Year'])
        print(df)
                     Sales
       City
               Year
       Delhi
               2020
                     100
               2021 120
       Vadodara 2020
                      80
               2021
```

### Selecting Data Form a Specific Level

```
In [5]: Delhi_data = df.xs('Delhi', level='City')
print(Delhi_data)

Sales
Year
2020 100
2021 120
```

#### Performing on a Specific Level

#### **Shorting and Indexing**

# **Using reset Method**