* Operations on Rows and Columns :→

In this, we are going to study the operations which changes the structure of Dataframe. The operations are :→
- Adding Columns
- Adding Rows
- Deleting Columns
- Deleting Rows.

- **Adding Column to a Dataframe :→**

Way I :→ using simple way :→

df_name ['New_Col_Name'] = [val1, val2, ---]
df ["Age"] = [13, 18, 27, 61, 39]

Way II :→ using loc[]method

df.loc [:, "New_Col_Name"] = [val1, val2, ---]
df.loc[:, "Age"] = [13, 18, 27, 61, 39]

Way III :→ using at[]method.

df.at [:, "New_col_Name"] = [val1, val2 ---]
df.at [:, "Age] = [13, 18, 27, 61, 39]

- ## Adding Row to a dataframe :→

Way I :→ using loc[] method.

df-name.loc[row_label] = [list of values].
df.loc['s5'] = ['Sushil', '12th', 'A', 13]

Way II :→ using at[] method.

df.name. at[row_label] = [list of values]
df.at ['s5'] = ['Sushil', '12th', 'A', 13]

> **NOTE:→** While adding new rows and columns, if the row or column label already exists in the dataframe, the value gets updated.