Function	Description
read_csv()	This function is used to read data from a CSV file and create a pandas DataFrame object
read_excel()	This function is used to read data from an Excel file and create a pandas DataFrame object
head()	This function is used to display the first few rows of a DataFrame
tail()	This function is used to display the last few rows of a DataFrame
info()	Display information about the DataFrame, such as the data types of columns and the number of non-null values
describe()	Used to display summary statistics for numerical columns in the DataFrame
groupby()	Used to group data in the DataFrame by one or more columns, and apply aggregate functions to the groups
apply()	This function is used to apply a function to each row or column of a DataFrame
merge()	This function is used to join two or more DataFrames based on a common column

Function	Description
pivot_table()	Create a pivot table from a DataFrame, with rows and columns defined by specific columns and aggregate functions applied to the values
fillna()	This function is used to fill missing values in the DataFrame with a specified value or method
drop()	This function is used to drop specified rows or columns from the DataFrame
sort_values()	his function is used to sort the DataFrame by one or more columns
to_csv()	This function is used to write the DataFrame to a CSV file
corr()	This function is used to compute the correlation between columns in the DataFrame
astype()	This function is used to convert the data type of a column in the DataFrame
replace()	This function is used to replace specified values in the DataFrame with other values
iloc[]	This function is used to select rows and columns of the DataFrame by index

Function	Description
loc[]	This function is used to select rows and columns of the DataFrame by label
set_index()	This function is used to set a column as the index of the DataFrame
reset_index()	This function is used to reset the index of the DataFrame
isin()	This function is used to check if values in a column of the DataFrame are in a specified list
duplicated()	This function is used to check for duplicated rows in the DataFrame
drop_duplicates()	Used to display summary statistics for numerical columns in the DataFrame
min()	This function is used to find the minimum value in a column of the DataFrame
max()	This function is used to find the maximum value in a column of the DataFrame
sum()	This function is used to find the sum of values in a column of the DataFrame

Function	Description
value_counts()	This function is used to count the number of occurrences of each unique value in a column of the DataFrame
mean()	This function is used to find the mean of values in a column of the DataFrame
median()	This function is used to find the median of values in a column of the DataFrame
std()	This function is used to find the standard deviation of values in a column of the DataFrame
quantile()	This function is used to find the quantiles of values in a column of the DataFrame
to_datetime()	Used to convert a column of the DataFrame to a datetime data type
to_numeric()	This function is used to convert a column of the DataFrame to a numeric data type
set_option()	Set the display options for the DataFrame, such as the maximum number of rows and columns to display
reset_option()	This function is used to reset the display options for the DataFrame to their default values

rolling()	This function is used to compute a rolling window function over a column of the DataFrame
shift()	This function is used to shift the values in a column of the DataFrame by a specified number of rows
diff()	This function is used to compute the difference between consecutive values in a column of the DataFrame
cumsum()	This function is used to compute the cumulative sum of values in a column of the DataFrame
cumprod()	This function is used to compute the cumulative product of values in a column of the DataFrame
fillna()	This function is used to fill missing values in the DataFrame with a specified value or method
dropna()	This function is used to drop rows with missing values from the DataFrame
to_dict()	This function is used to convert the DataFrame to a dictionary
to_json()	This function is used to convert the DataFrame to JSON format