

```
In [58]: import pandas as pd
```

## CSV FILE

```
In [59]: store1=pd.read_csv(r"D:\NIT\Call File\ExportCSV.csv")
```

```
In [60]: store1
```

```
Out[60]:
```

	ID	FirstName LastName	City	Job Skill	Gender	Email Add	
0	1	Summer Grady	Lisbon	Teamwork	Female	Summer_Grady7862@bqkv0.website	Ir
1	2	Manuel Lowe	Lincoln	Self-motivation	Male	Manuel_Lowe9871@bu2lo.meet	Ir
2	3	Lily Jefferson	Lakewood	Conflict Resolution	Female	Lily_Jefferson887@yahoo.digital	
3	4	Georgia Graham	Pittsburgh	Teamwork	Female	Georgia_Graham3397@zynuu.video	
4	5	Gwenyth Ashwell	Madrid	Conflict Resolution	Female	Gwenyth_Ashwell6167@fhuux.website	
...	...	...	...	...	...	...	...
195	196	Barney Tobin	Albuquerque	Communication	Male	Barney_Tobin3169@d9un8.space	1
196	197	Chuck Dowson	Indianapolis	Leadership	Male	Chuck_Dowson5951@gnjps.website	Ni
197	198	Hayden Roberts	Memphis	Adaptability	Female	Hayden_Roberts2650@ckzyi.store	(
198	199	Diane Leslie	Glendale	Decision Making	Female	Diane_Leslie6946@nanoff.store	
199	200	Nina Sinclair	Colorado Springs	Learning	Female	Nina_Sinclair7377@yfxpw.solutions	S: ai

200 rows × 7 columns



```
In [61]: store1.columns
```

```
Out[61]: Index(['ID', 'FirstName LastName', 'City', 'Job Skill', 'Gender', 'Email Ad  
d',  
              'City.1'],  
              dtype='object')
```

In [62]: `len(store1)`

Out[62]: 200

In [63]: `len(store1.columns)`

Out[63]: 7

In [64]: `len(store1)`

Out[64]: 200

In [65]: `store1.shape`

Out[65]: (200, 7)

In [66]: `store1.head()`

Out[66]:

	ID	FirstName LastName	City	Job Skill	Gender	Email Add	City.1
0	1	Summer Grady	Lisbon	Teamwork	Female	Summer_Grady7862@bqkv0.website	Indonesia
1	2	Manuel Lowe	Lincoln	Self- motivation	Male	Manuel_Lowe9871@bu2lo.meet	Indonesia
2	3	Lily Jefferson	Lakewood	Conflict Resolution	Female	Lily_Jefferson887@yahoo.digital	New Zealand
3	4	Georgia Graham	Pittsburgh	Teamwork	Female	Georgia_Graham3397@zynuu.video	Bhutan
4	5	Gwenyth Ashwell	Madrid	Conflict Resolution	Female	Gwenyth_Ashwell6167@fhuux.website	Latvia

In [67]: `store1.tail()`

Out[67]:

	ID	FirstName LastName	City	Job Skill	Gender	Email Add	
195	196	Barney Tobin	Albuquerque	Communication	Male	Barney_Tobin3169@d9un8.space	Taji
196	197	Chuck Dowson	Indianapolis	Leadership	Male	Chuck_Dowson5951@gnjps.website	Nice
197	198	Hayden Roberts	Memphis	Adaptability	Female	Hayden_Roberts2650@ckzyi.store	Co
198	199	Diane Leslie	Glendale	Decision Making	Female	Diane_Leslie6946@nanoff.store	T
199	200	Nina Sinclair	Colorado Springs	Learning	Female	Nina_Sinclair7377@yfxpw.solutions	Sair and



In [68]: store1.info()

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 200 entries, 0 to 199
Data columns (total 7 columns):
#   Column                Non-Null Count  Dtype
---  -
0   ID                    200 non-null   int64
1   FirstName LastName    200 non-null   object
2   City                  200 non-null   object
3   Job Skill             200 non-null   object
4   Gender                200 non-null   object
5   Email Add             200 non-null   object
6   City.1                200 non-null   object
dtypes: int64(1), object(6)
memory usage: 11.1+ KB
```

In [69]: store1.dtypes

```
Out[69]: ID                    int64
FirstName LastName    object
City                  object
Job Skill             object
Gender                object
Email Add             object
City.1                object
dtype: object
```

In [70]: store1.isnull()

```
Out[70]:
```

	ID	FirstName LastName	City	Job Skill	Gender	Email Add	City.1
0	False	False	False	False	False	False	False
1	False	False	False	False	False	False	False
2	False	False	False	False	False	False	False
3	False	False	False	False	False	False	False
4	False	False	False	False	False	False	False
...	...	...	...	...	...	...	...
195	False	False	False	False	False	False	False
196	False	False	False	False	False	False	False
197	False	False	False	False	False	False	False
198	False	False	False	False	False	False	False
199	False	False	False	False	False	False	False

200 rows × 7 columns

```
In [71]: store1.isnull().sum()
```

```
Out[71]: ID                0
         FirstName LastName 0
         City              0
         Job Skill         0
         Gender            0
         Email Add         0
         City.1            0
         dtype: int64
```

```
In [72]: store1[::-1]
```

```
Out[72]:
```

	ID	FirstName LastName	City	Job Skill	Gender	Email Add	
199	200	Nina Sinclair	Colorado Springs	Learning	Female	Nina_Sinclair7377@yfxpw.solutions	S; ai
198	199	Diane Leslie	Glendale	Decision Making	Female	Diane_Leslie6946@nanoff.store	
197	198	Hayden Roberts	Memphis	Adaptability	Female	Hayden_Roberts2650@ckzyi.store	(
196	197	Chuck Dowson	Indianapolis	Leadership	Male	Chuck_Dowson5951@gnjps.website	Ni
195	196	Barney Tobin	Albuquerque	Communication	Male	Barney_Tobin3169@d9un8.space	1
...	...	...	...	...	...	...	...
4	5	Gwenyth Ashwell	Madrid	Conflict Resolution	Female	Gwenyth_Ashwell6167@fhuux.website	
3	4	Georgia Graham	Pittsburgh	Teamwork	Female	Georgia_Graham3397@zynuu.video	
2	3	Lily Jefferson	Lakewood	Conflict Resolution	Female	Lily_Jefferson887@yahoo.digital	
1	2	Manuel Lowe	Lincoln	Self-motivation	Male	Manuel_Lowe9871@bu2lo.meet	Ir
0	1	Summer Grady	Lisbon	Teamwork	Female	Summer_Grady7862@bqkv0.website	Ir

200 rows × 7 columns



```
In [125]: store1[:8]
```

Out[125]:

	ID	FirstName LastName	City	Job Skill	Gender	Email Add	Cit
0	1	Summer Grady	Lisbon	Teamwork	Female	Summer_Grady7862@bqkv0.website	Indone
1	2	Manuel Lowe	Lincoln	Self-motivation	Male	Manuel_Lowe9871@bu2lo.meet	Indone
2	3	Lily Jefferson	Lakewood	Conflict Resolution	Female	Lily_Jefferson887@yahoo.digital	N Zeal
3	4	Georgia Graham	Pittsburgh	Teamwork	Female	Georgia_Graham3397@zynuu.video	Bhu
4	5	Gwenyth Ashwell	Madrid	Conflict Resolution	Female	Gwenyth_Ashwell6167@fhuux.website	La
5	6	Sebastian Griffiths	Washington	Self-motivation	Male	Sebastian_Griffiths4487@xtwt3.center	Portu
6	7	Jacqueline Aldridge	Ottawa	Conflict Resolution	Female	Jacqueline_Aldridge1553@nmz0p.us	Can
7	8	Leah Parr	San Jose	Communication	Female	Leah_Parr3676@chkzl.info	Cambc

JSON FILE

```
In [74]: store3=pd.read_json(r"D:\NIT\Call File\ExportJson.json")
```

```
In [75]: store3
```

Out[75]:

	objects
0	{'ID': '1', 'FirstNameLastName': 'Rufus Colema...
1	{'ID': '2', 'FirstNameLastName': 'Mandy Thomps...
2	{'ID': '3', 'FirstNameLastName': 'Daron Bennet...
3	{'ID': '4', 'FirstNameLastName': 'Denny Vane',...
4	{'ID': '5', 'FirstNameLastName': 'Kendra Grego...
...	...
145	{'ID': '146', 'FirstNameLastName': 'Leslie Yar...
146	{'ID': '147', 'FirstNameLastName': 'Norah Lyon...
147	{'ID': '148', 'FirstNameLastName': 'Mike Price...
148	{'ID': '149', 'FirstNameLastName': 'Martha Wil...
149	{'ID': '150', 'FirstNameLastName': 'Kieth Eddi...

150 rows × 1 columns

```
In [76]: store3.columns
```

```
Out[76]: Index(['objects'], dtype='object')
```

```
In [99]: len(store3)
```

```
Out[99]: 150
```

```
In [100]: len(store3.columns)
```

```
Out[100]: 1
```

```
In [101]: len(store3)
```

```
Out[101]: 150
```

```
In [102]: store3.shape
```

```
Out[102]: (150, 1)
```

```
In [103]: store3.head()
```

```
Out[103]:
```

	objects
0	{'ID': '1', 'FirstNameLastName': 'Rufus Colema...
1	{'ID': '2', 'FirstNameLastName': 'Mandy Thomps...
2	{'ID': '3', 'FirstNameLastName': 'Daron Bennet...
3	{'ID': '4', 'FirstNameLastName': 'Denny Vane',...
4	{'ID': '5', 'FirstNameLastName': 'Kendra Grego...

```
In [104]: store3.tail()
```

```
Out[104]:
```

	objects
145	{'ID': '146', 'FirstNameLastName': 'Leslie Yar...
146	{'ID': '147', 'FirstNameLastName': 'Norah Lyon...
147	{'ID': '148', 'FirstNameLastName': 'Mike Price...
148	{'ID': '149', 'FirstNameLastName': 'Martha Wil...
149	{'ID': '150', 'FirstNameLastName': 'Kieth Eddi...

In [105]: store3.info()

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 150 entries, 0 to 149
Data columns (total 1 columns):
#   Column   Non-Null Count  Dtype
---  -
0    objects  150 non-null    object
dtypes: object(1)
memory usage: 1.3+ KB
```

In [106]: store3.dtypes

Out[106]: objects object  
dtype: object

In [107]: store3.isnull()

Out[107]:

	objects
0	False
1	False
2	False
3	False
4	False
...	...
145	False
146	False
147	False
148	False
149	False

150 rows × 1 columns

In [108]: store3.isnull().sum()

Out[108]: objects 0  
dtype: int64

```
In [109]: store3[::-1]
```

```
Out[109]:
```

	objects
149	{'ID': '150', 'FirstNameLastName': 'Kieth Eddi...
148	{'ID': '149', 'FirstNameLastName': 'Martha Wil...
147	{'ID': '148', 'FirstNameLastName': 'Mike Price...
146	{'ID': '147', 'FirstNameLastName': 'Norah Lyon...
145	{'ID': '146', 'FirstNameLastName': 'Leslie Yar...
...	...
4	{'ID': '5', 'FirstNameLastName': 'Kendra Grego...
3	{'ID': '4', 'FirstNameLastName': 'Denny Vane',...
2	{'ID': '3', 'FirstNameLastName': 'Daron Bennet...
1	{'ID': '2', 'FirstNameLastName': 'Mandy Thomps...
0	{'ID': '1', 'FirstNameLastName': 'Rufus Colema...

150 rows × 1 columns

```
In [110]: store3[:6]
```

```
Out[110]:
```

	objects
0	{'ID': '1', 'FirstNameLastName': 'Rufus Colema...
1	{'ID': '2', 'FirstNameLastName': 'Mandy Thomps...
2	{'ID': '3', 'FirstNameLastName': 'Daron Bennet...
3	{'ID': '4', 'FirstNameLastName': 'Denny Vane',...
4	{'ID': '5', 'FirstNameLastName': 'Kendra Grego...
5	{'ID': '6', 'FirstNameLastName': 'Rick Jackson...

```
In [111]: store3.keys()
```

```
Out[111]: Index(['objects'], dtype='object')
```

## EXCEL FILE

```
In [92]: store2=pd.read_excel(r"D:\NIT\Call File\ExportExcel.xlsx")
```



In [93]: store2

Out[93]:

	ID	Job Title	Email Address	FirstName LastName	City
0	1	Staffing Consultant	Matt_West2707@urn0m.video	Matt West	Atlanta
1	2	IT Support Staff	Chester_Jones1287@evyvh.ca	Chester Jones	Indianapolis
2	3	Operator	Barney_Lewis5956@ckzyi.website	Barney Lewis	Louisville
3	4	CNC Operator	Eileen_Griffiths5288@dbxli.property	Eileen Griffiths	Lincoln
4	5	Chef Manager	Hank_Bloom5074@karnv.website	Hank Bloom	Ontario
...	...	...	...	...	...
96	97	Software Engineer	Enoch_Varley6003@fhuux.audio	Enoch Varley	Saint Paul
97	98	Biologist	Payton_Boyle6847@yafr7.edu	Payton Boyle	Lisbon
98	99	Cash Manager	Domenic_Hardwick557@karnv.space	Domenic Hardwick	Hollywood
99	100	Loan Officer	Alexander_Larsen1936@iscmr.us	Alexander Larsen	Moreno Valley
100	data generated with OnlineDataGenerator availa...		NaN	NaN	NaN

101 rows × 5 columns

In [112]: store2.columns

Out[112]: Index(['ID', 'Job Title', 'Email Address', 'FirstName LastName', 'City'], dtype='object')

In [113]: len(store2)

Out[113]: 101

In [114]: len(store2.columns)

Out[114]: 5

In [115]: len(store2)

Out[115]: 101

In [116]: store2.shape

Out[116]: (101, 5)

In [117]: store2.head()

Out[117]:

	ID	Job Title	Email Address	FirstName LastName	City
0	1	Staffing Consultant	Matt_West2707@urn0m.video	Matt West	Atlanta
1	2	IT Support Staff	Chester_Jones1287@evyvh.ca	Chester Jones	Indianapolis
2	3	Operator	Barney_Lewis5956@ckzyi.website	Barney Lewis	Louisville
3	4	CNC Operator	Eileen_Griffiths5288@dbxli.property	Eileen Griffiths	Lincoln
4	5	Chef Manager	Hank_Bloom5074@karnv.website	Hank Bloom	Ontario

In [118]: store2.tail()

Out[118]:

	ID	Job Title	Email Address	FirstName LastName	City
96	97	Software Engineer	Enoch_Varley6003@fhuux.audio	Enoch Varley	Saint Paul
97	98	Biologist	Payton_Boyle6847@yafr7.edu	Payton Boyle	Lisbon
98	99	Cash Manager	Domenic_Hardwick557@karnv.space	Domenic Hardwick	Hollywood
99	100	Loan Officer	Alexander_Larsen1936@iscmr.us	Alexander Larsen	Moreno Valley
100	data generated with OnlineDataGenerator availa...		NaN	NaN	NaN

In [119]: store2.info()

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 101 entries, 0 to 100
Data columns (total 5 columns):
#   Column                Non-Null Count  Dtype
---  -
0   ID                    101 non-null   object
1   Job Title             100 non-null   object
2   Email Address         100 non-null   object
3   FirstName LastName    100 non-null   object
4   City                  100 non-null   object
dtypes: object(5)
memory usage: 4.1+ KB
```

```
In [120]: store2.dtypes
```

```
Out[120]: ID                object
Job Title                object
Email Address            object
FirstName LastName       object
City                    object
dtype: object
```

```
In [121]: store2.isnull()
```

```
Out[121]:
```

	ID	Job Title	Email Address	FirstName LastName	City
0	False	False	False	False	False
1	False	False	False	False	False
2	False	False	False	False	False
3	False	False	False	False	False
4	False	False	False	False	False
...	...	...	...	...	...
96	False	False	False	False	False
97	False	False	False	False	False
98	False	False	False	False	False
99	False	False	False	False	False
100	False	True	True	True	True

101 rows × 5 columns

```
In [122]: store2.isnull().sum()
```

```
Out[122]: ID                0
Job Title                1
Email Address            1
FirstName LastName       1
City                    1
dtype: int64
```

In [123]: store2[:: -1]

Out[123]:

	ID	Job Title	Email Address	FirstName LastName	City
100	data generated with OnlineDataGenerator availa...		NaN	NaN	NaN
99	100	Loan Officer	Alexander_Larsen1936@iscmr.us	Alexander Larsen	Moreno Valley
98	99	Cash Manager	Domenic_Hardwick557@karnv.space	Domenic Hardwick	Hollywood
97	98	Biologist	Payton_Boyle6847@yafr7.edu	Payton Boyle	Lisbon
96	97	Software Engineer	Enoch_Varley6003@fhuux.audio	Enoch Varley	Saint Paul
...	...	...	...	...	...
4	5	Chef Manager	Hank_Bloom5074@karnv.website	Hank Bloom	Ontario
3	4	CNC Operator	Eileen_Griffiths5288@dbxli.property	Eileen Griffiths	Lincoln
2	3	Operator	Barney_Lewis5956@ckzyi.website	Barney Lewis	Louisville
1	2	IT Support Staff	Chester_Jones1287@evyvh.ca	Chester Jones	Indianapolis
0	1	Staffing Consultant	Matt_West2707@urn0m.video	Matt West	Atlanta

101 rows × 5 columns

In [124]: store2[:6]

Out[124]:

	ID	Job Title	Email Address	FirstName LastName	City
0	1	Staffing Consultant	Matt_West2707@urn0m.video	Matt West	Atlanta
1	2	IT Support Staff	Chester_Jones1287@evyvh.ca	Chester Jones	Indianapolis
2	3	Operator	Barney_Lewis5956@ckzyi.website	Barney Lewis	Louisville
3	4	CNC Operator	Eileen_Griffiths5288@dbxli.property	Eileen Griffiths	Lincoln
4	5	Chef Manager	Hank_Bloom5074@karnv.website	Hank Bloom	Ontario
5	6	Biologist	Logan_Rossi9072@yfxpw.website	Logan Rossi	St. Louis

In [ ]:

