

```
In [13]: import pandas as pd
st_data = pd.read_csv("D:\Waqas k\My PIAIC Training\Machine Learning knowledge shelf\Pandas\Datasets\data for panda exercise.csv",squeeze=True, usecols=["Student Name"] )
# print(st_data)
# st_data.head()
# st_data.head(10)
```

```
Out[13]: 0      Abdul Basit
1      Adeel Ahmed
2      Afrah Zareen
3      Ahmed Ali Raza
4      Ahsan Ali Vohra
5      Ameer Hamza
6      Anas Ali Khan
7      Aneebullah Niazi
8      Areesha Sohail
9      Arsalan
Name: Student Name, dtype: object
```

```
In [14]: st_data.tail()
```

```
Out[14]: 43      Syed Faizan Uddin
44      Syed Sohaib
45      Syeda Sabika Raza
46      Usman Khan
47      Waqar Ahmed
Name: Student Name, dtype: object
```

```
In [15]: st_data.tail(10)
```

```
Out[15]: 38      Sadaquat Rafique
39      Sania Iqbal
40      Sharif Taqi
41      Shariqa Ahmad
42      Sumbul Rehman
43      Syed Faizan Uddin
44      Syed Sohaib
45      Syeda Sabika Raza
46      Usman Khan
47      Waqar Ahmed
Name: Student Name, dtype: object
```

```
In [16]: st_data.values
```

```
Out[16]: array(['Abdul Basit', 'Adeel Ahmed', 'Afrah Zareen', 'Ahmed Ali Raza',
                'Ahsan Ali Vohra', 'Ameer Hamza', 'Anas Ali Khan',
                'Aneebullah Niazi', 'Areesha Sohail', 'Arsalan',
                'Fatima Haider Warsi', 'Habib Ullah', 'Hafiza Tooba Akbani',
                'Hamza Abdul Jabbar', 'Hareem Afshan', 'Haseeb Sajid',
                'Hassam Ahmed', 'Khalid Anwer', 'Madiha Jabeen', 'Mohammad Hunain',
                'Muhammad Aamir', 'Muhammad Abdul Rehman Siddiqui',
                'Muhammad Abdullah', 'Muhammad Ali Iqbal', 'Muhammad Bilal',
                'Muhammad Faraz', 'Muhammad Ghazali Faridi', 'Muhammad Osama Khan',
                'Muhammad Saqib Intizar', 'Muhammad Shahroz Khurshid',
                'Muhammad Shozab', 'Muhammad Taha Hasnain',
                'Muhammad Wajahat Khan', 'Muhammad Younus Baig',
                'Nazeer Bin Zafar', 'Rabi Ahmed', 'Rida Nasim', 'Sadaf Nosheen',
                'Sadaquat Rafique', 'Sania Iqbal', 'Sharif Taqi', 'Shariqa Ahmad',
                'Sumbul Rehman', 'Syed Faizan Uddin', 'Syed Sohaib',
                'Syeda Sabika Raza', 'Usman Khan', 'Waqar Ahmed'], dtype=object)
```

```
In [17]: st_data.index
```

```
Out[17]: RangeIndex(start=0, stop=48, step=1)
```

```
In [19]: st_data.is_unique
```

```
Out[19]: True
```

```
In [20]: st_data.ndim
```

```
Out[20]: 1
```

```
In [21]: st_data.shape
```

```
Out[21]: (48,)
```

```
In [22]: st_data.size
```

```
Out[22]: 48
```

```
In [25]: st_data.name
st_data.name = "St_name"
st_data.head()
```

```
Out[25]: 0      Abdul Basit
1      Adeel Ahmed
2      Afrah Zareen
3      Ahmed Ali Raza
4      Ahsan Ali Vohra
Name: St_name, dtype: object
```