

```
In [11]: import pandas as pd
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In [13]: data=pd.read_csv("/home/placement/Desktop/data/data.txt")
```

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In [14]: data.describe()
```

```
Out[14]:
```

	srno	pincode	marks
count	10.00000	10.000000	10.00000
mean	5.50000	540655.500000	665.50000
std	3.02765	4329.001354	3.02765
min	1.00000	534201.000000	661.00000
25%	3.25000	536876.250000	663.25000
50%	5.50000	543241.000000	665.50000
75%	7.75000	543275.250000	667.75000
max	10.00000	543870.000000	670.00000

```
In [16]: data.head()
```

```
Out[16]:
```

	srno	name	pincode	city	branch	marks
0	1	janu	534201	bhimavaram	EEE	670
1	2	meghana	534208	turputallu	MECH	669
2	3	maneesha	543201	antarvedhi	CSE	668
3	4	sravani	543280	kathavpadu	AIML	667
4	5	raji	543278	nagaram	IT	666

In [17]: data.info()

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 10 entries, 0 to 9
Data columns (total 6 columns):
#   Column      Non-Null Count  Dtype
---  -
0   srno        10 non-null     int64
1   name        10 non-null     object
2   pincode     10 non-null     int64
3   city        10 non-null     object
4   branch      10 non-null     object
5   marks       10 non-null     int64
dtypes: int64(3), object(3)
memory usage: 608.0+ bytes
```

In [18]: data.info

Out[18]: <bound method DataFrame.info of

	srno	name	pincode	city	branch	marks
0	1	janu	534201	bhimavaram	EEE	670
1	2	meghana	534208	turputallu	MECH	669
2	3	maneesha	543201	antarvedhi	CSE	668
3	4	sravani	543280	kathavpadu	AIML	667
4	5	raji	543278	nagaram	IT	666
5	6	vasu	543870	narsapur	CIVIL	665
6	7	balaji	534768	ravulapalem	ROBOTICS	664
7	8	sekhar	543217	tanuku	EEE	663
8	9	vinay	543265	rayakuduru	ECE	662
9	10	ganu	543267	maruthinagar	CSE	661

In [19]: data.tail(3)

Out[19]:

	srno	name	pincode	city	branch	marks
7	8	sekhar	543217	tanuku	EEE	663
8	9	vinay	543265	rayakuduru	ECE	662
9	10	ganu	543267	maruthinagar	CSE	661

```
In [20]: data.head(3)
```

```
Out[20]:
```

	srno	name	pincode	city	branch	marks
0	1	janu	534201	bhimavaram	EEE	670
1	2	meghana	534208	turputallu	MECH	669
2	3	maneesha	543201	antarvedhi	CSE	668

```
In [21]: data.head(10)
```

```
Out[21]:
```

	srno	name	pincode	city	branch	marks
0	1	janu	534201	bhimavaram	EEE	670
1	2	meghana	534208	turputallu	MECH	669
2	3	maneesha	543201	antarvedhi	CSE	668
3	4	sravani	543280	kathavpadu	AIML	667
4	5	raji	543278	nagaram	IT	666
5	6	vasu	543870	narsapur	CIVIL	665
6	7	balaji	534768	ravulapalem	ROBOTICS	664
7	8	sekhar	543217	tanuku	EEE	663
8	9	vinay	543265	rayakuduru	ECE	662
9	10	ganu	543267	maruthinagar	CSE	661

```
In [22]: data.tail(10)
```

```
Out[22]:
```

	srno	name	pincode	city	branch	marks
0	1	janu	534201	bhimavaram	EEE	670
1	2	meghana	534208	turputallu	MECH	669
2	3	maneesha	543201	antarvedhi	CSE	668
3	4	sravani	543280	kathavpadu	AIML	667
4	5	raji	543278	nagaram	IT	666
5	6	vasu	543870	narsapur	CIVIL	665
6	7	balaji	534768	ravulapalem	ROBOTICS	664
7	8	sekhar	543217	tanuku	EEE	663
8	9	vinay	543265	rayakuduru	ECE	662
9	10	ganu	543267	maruthinagar	CSE	661

```
In [26]: data['name'].unique()
```

```
Out[26]: array(['janu', 'meghana', 'maneesha', 'sravani', 'raji', 'vasu', 'balaji',  
                'sekhar', 'vinay', 'ganu'], dtype=object)
```

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In [ ]: data['branch']
```