```
In [11]: import pandas as pd
In [13]: data=pd.read csv("/home/placement/Desktop/data/data.txt")
In [14]: data.describe()
Out[14]:
                                pincode
                                            marks
                      srno
            count 10.00000
                               10.000000
                                         10.00000
                           540655.500000 665.50000
                   5.50000
            mean
                   3.02765
                             4329.001354
              std
                                          3.02765
                   1.00000
                           534201.000000 661.00000
             min
                           536876.250000 663.25000
             25%
                   3.25000
                   5.50000 543241.000000 665.50000
             50%
             75%
                   7.75000 543275.250000 667.75000
             max 10.00000 543870.000000 670.00000
In [16]: data.head()
Out[16]:
                                            city branch marks
              srno
                       name pincode
                              534201 bhimavaram
                                                   EEE
                                                          670
            0
                         janu
                     meghana
                              534208
                                        turputallu
                                                  MECH
                                                          669
                                                   CSE
                 3 maneesha
                              543201
                                                          668
            2
                                       antarvedhi
                                      kathavpadu
                                                  AIML
                                                          667
            3
                              543280
                      sravani
                 5
                              543278
                                        nagaram
                                                     ΙT
                                                          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
                         10 non-null
                                          int64
           0
               srno
                         10 non-null
                                          object
               name
                                          int64
               pincode 10 non-null
                         10 non-null
                                          object
               city
                        10 non-null
                                          object
               branch
               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</pre>
                                                                pincode
                                                                                   city
                                                                                            branch marks
                                               srno
                                                          name
                                                            EEE
                                                                    670
                               534201
                                          bhimavaram
                1
                        janu
                               534208
                                                                    669
                    meghana
                                          turputallu
                                                           MECH
                   maneesha
                                                            CSE
                               543201
                                          antarvedhi
                                                                    668
                               543280
                                                           AIML
                                                                    667
          3
                                          kathavpadu
                    sravani
          4
                        raji
                               543278
                                                             IT
                                                                    666
                                             nagaram
                               543870
                                                          CIVIL
                                                                    665
                6
                        vasu
                                            narsapur
                     balaji
                               534768
                                         ravulapalem
                                                       ROBOTICS
                                                                    664
                      sekhar
                               543217
                                              tanuku
                                                            EEE
                                                                    663
                               543265
                                                            ECE
                                                                    662
          8
                9
                       vinay
                                          ravakuduru
               10
                               543267
                                        maruthinagar
                                                            CSE
                                                                    661>
                        ganu
In [19]: data.tail(3)
Out[19]:
                  name pincode
                                      city branch marks
               8 sekhar
                        543217
                                                  663
          7
                                    tanuku
                                            EEE
                   vinay
                         543265
                                 rayakuduru
                                            ECE
                                                   662
                         543267 maruthinagar
                                            CSE
                                                   661
               10
                   ganu
```

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]:
                       name pincode
                                            city
                                                    branch marks
              srno
                                      bhimavaram
                                                      EEE
                                                             670
                             534201
           0
                 1
                        janu
           1
                    meghana
                              534208
                                        turputallu
                                                    MECH
                                                             669
                 3 maneesha
                              543201
                                                      CSE
                                                             668
           2
                                       antarvedhi
                              543280
                                      kathavpadu
                                                     AIML
                                                             667
            3
                      sravani
                 5
                              543278
                                        nagaram
                                                       ΙT
                                                             666
                         raji
                              543870
                                        narsapur
                                                     CIVIL
                                                             665
           5
                 6
                        vasu
                              534768
                                      ravulapalem ROBOTICS
                                                             664
                       balaji
                              543217
                                                      EEE
           7
                 8
                      sekhar
                                          tanuku
                                                             663
                 9
                              543265
                                       rayakuduru
                                                      ECE
                                                             662
            8
                       vinay
                             543267 maruthinagar
                                                      CSE
                                                             661
           9
                10
                        ganu
In [26]: data['name'].unique()
Out[26]: array(['janu', 'meghana', 'maneesha', 'sravani', 'raji', 'vasu', 'balaji',
                   'sekhar', 'vinay', 'ganu'], dtype=object)
 In [ ]: data['branch']
```