```
# This is the method to file upload from your system
from google.colab import files
```

```
files.upload()
```

Choose Files train-chennai-sale.csv

- **train-chennai-sale.csv**(text/csv) - 917857 bytes, last modified: 1/31/2023 - 100% done

Saving train-chennai-sale.csv to train-chennai-sale.csv

{'train-chennai-sale.csv':
b'PRT_ID,AREA,INT_SQFT,DATE_SALE,DIST_MAINROAD,N_BEDROOM,N_BATHROOM,N_ROOM,SALE_COND,PARK_FACIL,DATE_BUILD,BUILDTYPE,UTILITY_AVAIL,
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Nagar,1986,19-12-2006,26,2,1,5,AbNormal,No,22-12-
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1979,Other,AllPub,No Access,RL,3.6,2.1,2.5,2.67,263152,33955,8488790\r\nP09679,Velachery,1847,13-03-2006,176,3,2,5,Family,No,15-
03-1996,Commercial,AllPub,Gravel,RM,2.4,4.5,2.1,3.26,604809,235204,16800250\r\nP03377,Chrompet,771,06-04-
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Access,RM,4,3.2,4.5,3.83,403326,119504,14938000\r\nP07121,Chrompet,1054,16-02-2009,143,1,1,3,Partial,No,26-02-1972,Others,NoSewr
,Gravel,RM,2.2,3.1,3.3,2.89,245693,141746,9449730\r\nP05512,Chrompet,1196,11-02-2010,137,1,1,3,Family,No,16-02-1991,Others,NoSewr
,No Access,RL,2.1,2.5,2.1,2.26,289554,35097,8774370\r\nP09370,Adyar,1056,01-01-2007,83,1,1,3,Partial,Yes,07-01-1981,Others,NoSewr
,Paved,RH,2.2,3.4,3.7,3.19,319141,37546,9386490\r\nP04085,Velachery,1865,11-11-2010,157,3,2,5,Family,No,24-11-
1956,Commercial,NoSewr ,Paved,RM,4.8,2.2,4.9,3.66,619987,294494,15499680\r\nP06328,Velachery,1868,12-09-
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11-2009,175,2,2,4,Normal Sale,Yes,09-11-1991,House,ELO,Gravel,I,2.3,3.2,4.8,3.57,285648,77904,8656000\r\nP02016,Chrompet,796,25-
12-2011,134,1,1,2,AdjLand,Yes,03-01-1975,Commercial,AllPub,No
Access,RL,3.5,4.6,4.7,4.3,316464,130951,10912550\r\nP08160,Adyar,1136,05-04-2008,69,1,1,3,Normal Sale,Yes,13-04-
1978,Others,AllPub,Paved,A,4.6,2.6,2.9,3.35,323214,49725,8287550\r\nP01372,Anna Nagar,1902,02-07-2012,168,2,1,5,Family,Yes,13-07-
1970,Commercial,ELO,Paved,RL,4.5,4.9,4.9,4.76,742113,212032,21203240\r\nP00936,Chrompet,1069,19-04-2013,53,1,1,3,AbNormal,Yes,20-
04-2009,Others,NoSewr ,Paved,RM,2.8,2.7,4.9,3.39,283544,43622,10905530\r\nP07346,Chrompet,931,13-12-2008,96,1,1,3,AbNormal,Yes,19-
12-1986,Others,ELO,Paved,RL,4.2,3.1,3.1,3.43,248021,27558,9185970\r\nP06851,KK Nagar,2010,06-05-2009,114,3,2,5,Partial,No,09-05-
1999,Others,NoSewr ,Gravel,RH,3.4,4.5,3.4,3.73,327762,262210,10925400\r\nP04665,Chrompet,1074,23-07-2010,100,1,1,3,AbNormal,No,27-
07-1994,Others,NoSewr ,Gravel,RL,3,3.4,4.9,3.73,288821,86646,9627380\r\nP00902,TNagar,1972,13-05-2013,111,2,1,5,AdjLand,No,14-05-
2008,Others,NoSewr ,No Access,RH,4.1,4,4,2.8,3.59,487297,167073,13922760\r\nP00293,T Nagar,1685,19-07-2014,105,1,1,4,Family,No,27-
07-1980,House,NoSewr ,Gravel,RM,2.8,4.4,4,3.74,352830,176415,12601080\r\nP02235,Adyar,1130,10-11-2011,29,1,1,3,Family,Yes,17-11-
1981,Commercial,ELO,Paved,RH,2.3,2.5,2.2,2.29,468417,53533,13383350\r\nP04080,Karapakkam,1301,12-11-2010,59,1,1,3,Normal
Sale,Yes,14-11-2003,Others,NoSewr ,Gravel,C,2.8,2.7,3.8,3.17,357283,71457,7939625\r\nP02677,Adyar,730,19-08-
2011,185,1,1,2,AdjLand,Yes,28-08-1972,House,ELO,Gravel,RL,2.7,4.6,4.9,4.18,265449,53090,8848285\r\nP00755,T Nagar,1806,18-08-
2013,138,2,1,5,Family,No,27-08-1978,House,NoSeWa,Paved,RH,4.1,5,3,3.83,430852,113382,11338200\r\nP06980,Anna Nagar,1981,01-04-
2009,173,2,1,5,AdjLand,No,03-04-2000,House,ELO,No Access,RL,2,3.1,3.2,2.755,373300,218831,12872430\r\nP02696,Adyar,868,15-08-
2011,15,1,1,3,Normal Sale,No,17-08-2001,Others,NoSeWa,Gravel,RL,2.3,2.1,2,2.11,325514,72336,9042050\r\nP01517,T Nagar,1721,26-03-
2012,117,1,1,4,AdjLand,Yes,31-03-1992,Others,ELO,Paved,RM,2,2.8,2.9,2.605,416483,223116,14874380\r\nP09650,Velachery,1755,28-04-
2006,16,2,1,4,AdjLand,Yes,03-05-1987,Others,AllPub,Gravel,A,4.8,4.5,4.5,4.58,306671,173780,10222380\r\nP05950,Anna Nagar,1709,22-
11-2009,130,1,1,4,Family,No,24-11-2003,Others,NoSeWa,Gravel,RH,4.8,3.2,4.3,4.2,452501,90500,12928590\r\nP05051,KK Nagar,2114,09-
05-2010,46,3,2,5,AdjLand,Yes,14-05-
1989,Commercial,NoSeWa,Gravel,RH,2.7,3,3.9,3.27,632334,281037,17564820\r\nP04978,Karapakkam,1226,23-05-2010,180,1,1,3,Normal
Sale,No,30-05-1983,House,AllPub,Paved,A,4,3.7,4.7,4.19,154109,114339,4971250\r\nP03704,Velachery,1648,28-01-
2011,111,2,1,4,Family,Yes,31-01-1998,Others,NoSeWa,Paved,C,4.3,2.9,2,2.98,275120,82536,9170660\r\nP02247,Chrompet,856,07-11-
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12-2012,105,1,1,3,Normal Sale,No,30-12-1976,Others,AllPub,No
Access,RH,3.9,3.4,4.4,3.85,255727,98991,8249260\r\nP02442,Karapakkam,931,03-10-2011,16,1,1,3,AdjLand,No,07-10-
1993,Commercial,AllPub,Paved,A,4,4.2,2.4,3.42,291669,166668,6944500\r\nP06444,Karapakkam,1290,18-08-2009,86,1,1,3,AdjLand,Yes,30-
08-1961,House,AllPub,Paved,RH,3.1,2.1,4.1,3.2,364015,92940,7745000\r\nP05298,Karapakkam,507,23-03-2010,49,1,1,2,AbNormal,Yes,03-
04-1964,House,ELO,Gravel,RH,2.6,4.6,4.6,4,252032,74464,5728000\r\nP05882,KK Nagar,2492,06-12-2009,113,4,2,6,Ab Normal,No,10-12-
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2006,189,2,1,5,AbNormal,Yes,23-11-1985,Others,ELO,Gravel,RM,3.9,4.5,4.7,,433393,272877,16051580\r\nP06006,Anna Nagar,1710,12-11-
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05-2014,19,1,1,4,AbNormal,No,29-05-
1980,Others,AllPub,Gravel,RH,2.1,4.3,3.9,3.46,376468,238430,12548930\r\nP05245,Karapakkam,940,03-04-2010,167,1,1,3,AdjLand,No,15-
04-1961,House,AllPub,Paved,RH,2.7,2.7,4.1,3.26,263599,64435,5857750\r\nP01690,KK Nagar,1667,26-02-2012,126,2,1,4,Partial,Yes,27-
02-2007,House,NoSeWa,Paved,RM,4.8,2.1,5,4.07,364810,268243,10729700\r\nP07753,KK Nagar,1926,12-08-2008,49,3,2,5,Family,Yes,15-08-
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1977,Others,ELO,No Access,C,2,3.9,3.4,3.08,211662,55701,5570050\r\nP01934,Karapakkam,545,12-01-2012,154,1,1,2,Partial,No,19-01-
1982,Others,ELO,No Access,RH,3.1,2.2,3.4,2.95,165738,88651,3854375\r\nP06326,Karapakkam,1249,12-09-2009,25,1,1,3,AdjLand,Yes,21-
09-1973,Others,ELO,Gravel,RH,2.8,3.7,3.5,3.35,318010,120328,8594875\r\nP00865,T Nagar,1894,08-06-2013,187,2,1,5,Partial,Yes,19-06-
1968,House,NoSewr ,Gravel,RL,2,3.7,4.4,3.505,406478,162591,13549250\r\nP02088,Karapakkam,1469,12-12-2011,200,2,2,4,AbNormal,No,13-
12-2006,Commercial,NoSewr ,No Access,C,4.7,2,2.4,2.97,284423,132731,9480750\r\nP07770,Adyar,916,08-08-2008,32,1,1,3,Normal
Sale,Yes,15-08-1980,House,ELO,No Access,A,3.6,3,3.9,3.63,228053,23390,5847520\r\nP08118,Chrompet,934,20-04-
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2011,100,2,2,4,AbNormal,No,09-05-1980,House,NoSeWa,Gravel,RM,4,3.9,3.5,3.77,319558,178576,9398750\r\nP03273,Karapakkam,1236,21-04-
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Nagar,1915,10-01-2011,13,2,1,5,Partial,Yes,20-01-
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2012,154,1,1,4,Family,Yes,06-10-1991,House,ELO,Gravel,RH,3.9,2.7,2.5,3.04,309941,166891,11920820\r\nP02391,Velachery,1579,14-10-
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2008,89,2,2,4,Partial,No,28-07-1983,Others,NoSeWa,No Access,A,3.8,4.1,4.5,4.21,256150,34615,6922975\r\nP05787,Adyar,1021,22-12-
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Nagar,2174,31-10-2011,48,3,2,5,Family,Yes,05-11-1988,Others,AllPub,Paved,RM,2.9,2.1,2.3,2.42,548929,313674,13069740\r\nP05304,Anna
Nagar,1589,22-03-2010,39,1,,4,Partial,No,02-04-
1966,Others,AllPub,Gravel,RL,2.1,2.5,4.5,3.16,451857,85486,12212350\r\nP05309,Adyar,668,21-03-2010,177,1,1,2,AbNormal,Yes,22-03-
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2007,91,2,1,4,Normal Sale,No,20-08-1977,Commercial,AllPub,No Access,I,4.7,3.3,3.8,3.54,320323,115778867(?\r\nP03990,Anna Nagar,1792,21-02-2011,41,1,1,4,Family,Yes,26-02-1990,House,ELO,Gravel,RM,2.7,2.6,2,2.395,514532,250313,13906270\r\nP01725,Karapakkam,1378,19-02-2012,192,2,2,4,AdjLand,No,21-02-2003,Others,NoSewr ,Gravel,RM,4.2,2.8,2.6,3.14,297525,208268,9917500\r\nP06570,Karapakkam,898,22-07-2009,72,1,1,3,Partial,Yes,29-07-1980,Commercial,NoSewr ,Paved,RH,2.4,3.1,2.1,2.49,345190,215744,8629750\r\nP02686,Anna Nagar,1928,18-08-2011,148,2,1,5,Partial,No,20-08-2001,House,AllPub,No Access,RH,3.4,4.1,2.4,3.175,466682,105003,11667050\r\nP07789,Chrompet,1233,02-08-2008,24,2,1,4,AbNormal,No,11-08-1975,House,NoSeWa,Gravel,RM,2.2,2,4.6,2.84,245429,107989,9817150\r\nP08836,Velachery,1618,30-07-2007,100,2,1,4,AdjLand,Yes,09-08-1967,Others,NoSewr ,Paved,C,4,4.3,4.1,4.17,370522,92631,9263050\r\nP02716,Karapakkam,627,12-08-2011,49,1,1,2,Family,No,19-08-1983,House,NoSewr ,Gravel,RM,4.3,2.8,2.5,3.13,223975,92225,6587500\r\nP09780,Velachery,1563,16-08-2005,43,2,1,4,Family,No,23-08-1977,House,NoSeWa,Gravel,RM,4.7,4.5,2.6,3.98,303780,195987,9799360\r\nP06528,Karapakkam,1693,30-07-2009,187,2,2,4,Normal Sale,Yes,01-08-2003,Commercial,NoSewr ,Gravel,C,3.9,2.1,3.9,3.36,384045,166420,12801500\r\nP06989,T Nagar,1522,30-03-2009,85,1,1,4,Partial,No,10-04-1966,Commercial,AllPub,Gravel,RL,4.2,3.6,3.5,3.735,506181,174545,17454510\r\nP07824,Adyar,1090,21-07-2008,171,1,1,3,Partial,Yes,28-07-1980,Others,NoSeWa,Gravel,RH,3.1,2.7,2.3,2.62,373632,98324,9832420\r\nP00545,Chrompet,1085,19-01-2014,149,1,1,3,AbNormal,Yes,21-01-2008,Commercial,NoSewr ,Gravel,RL,2.8,3.8,4.6,,387815,100545,14363500\r\nP06461,T Nagar,1687,13-08-2009,73,1,1,4,AbNormal,No,16-08-1996,Others,NoSewr ,Paved,RH,4.6,4.6,2,3.43,411733,224582,12476770\r\nP07650,Adyar,692,12-09-2008,62,1,1,2,Normal Sale,Yes,22-09-1971,Commercial,AllPub,Paved,RH,4.1,4.4,5,4.61,394491,124576,10381355\r\nP07887,T Nagar,1518,03-07-2008,145,1,1,4,Family,Yes,13-07-1971,Commercial,AllPub,Paved,RH,3.7,3.5,4.1,3.83,457606,158402,17600240\r\nP08050,Adyar,1025,10-05-2008,125,1,1,3,Partial,No,17-05-1983,Commercial,NoSeWa,Paved,I,2.5,2.5,2.7,2.6,349916,142153,10934875\r\nP04677,KK Nagar,2170,20-07-2010,121,3,2,5,Family,Yes,22-07-2002,House,NoSewr ,Gravel,RL,3.7,4.6,4,4.09,593864,284560,12372160\r\nP03124,Chrompet,969,23-05-2011,70,1,1,3,Family,Yes,27-05-1994,Commercial,ELO,No Access,RH,3.4,2.4,4,3.18,337463,146234,11248750\r\nP08147,KK Nagar,1546,09-04-2008,129,2,1,4,AbNormal,No,16-04-1981,Commercial,AllPub,Gravel,RM,2.5,4.3,2.8,3.16,441475,142411,14241140\r\nP06097,KK Nagar,1709,24-10-2009,6,2,1,4,AbNormal,Yes,29-10-1989,House,NoSeWa,Paved,RL,4.3,3.7,2,3.2,467388,233694,10160600\r\nP00959,T Nagar,1659,07-04-2013,103,1,1,4,AdjLand,Yes,12-04-1995,Others,NoSeWa,No Access,RL,3.8,2.3,3.8,3.425,433251,216625,13559080\r\nP00057,Chrompet,755,09-01-2015,8,1,1,2,Normal Sale,No,17-01-1982,Commercial,ELO,Gravel,RM,3.8,4.4,2.7,3.71,289649,42911,10727750\r\nP08607,Adyar,1182,24-10-2007,50,1,1,3,Normal Sale,Yes,28-10-1990,House,AllPub,No Access,RL,3.2,3.5,3.1,3.21,374948,39468,9867055\r\nP01632,Adyar,735,06-03-2012,67,1,1,2,AdjLand,No,10-03-1998,Commercial,NoSeWa,No Access,RH,2.7,4,4,3.61,284361,132702,9478710\r\nP00937,Chrompet,1089,19-04-2013,0,1,1,3,Normal Sale,Yes,27-04-1981,House,ELO,Paved,RL,2.7,2.9,3.1,2.9,235305,45251,9050200\r\nP09868,Velachery,1534,04-01-2005,6,2,1,4,Partial,Yes,18-01-1952,Others,ELO,Paved,C,4,7,4.6,2,3.94,284552,63234,7904210\r\nP08848,Anna Nagar,1622,26-07-2007,147,1,1,4,Family,Yes,27-07-2002,House,ELO,Gravel,RL,4.4,3.7,4.2,4.145,378840,209015,13063450\r\nP07681,KK Nagar,2198,04-09-2008,71,3,2,5,Partial,Yes,10-09-1987,Others,NoSewr ,Gravel,RM,4.8,4.2,3.9,4.26,679249,122265,13584980\r\nP00407,Chrompet,1293,09-05-2014,34,2,1,4,Normal Sale,No,19-05-1975,Commercial,ELO,No Access,RL,3.1,2.2,3.8,2.95,419714,157393,13116050\r\nP06126,KK Nagar,1641,17-10-2009,178,2,1,4,Partial,No,24-10-1980,Others,AllPub,Gravel,RL,4.6,4.4,3.1,3.94,460580,190239,10012600\r\nP09763,Velachery,1950,03-09-2005,185,3,2,5,AdjLand,Yes,13-09-1964,Others,NoSeWa,Paved,RL,5,4.2,3.4,4.16,411601,84741,12105920\r\nP02652,Karapakkam,1245,26-08-2011,106,1,1,3,Partial,No,02-09-1983,Others,NoSeWa,Paved,A,4.1,2.9,3.5,3.5,201653,113213,4918375\r\nP06329,Chrompet,905,12-09-2009,144,1,1,3,Family,No,20-09-1976,Others,ELO,Gravel,RH,3.8,3.5,4,3.74,223393,77032,7703200\r\nP01701,KK Nagar,1496,24-02-2012,135,2,1,4,Family,No,27-02-1998,House,NoSewr ,Gravel,RH,3.2,3.8,2.8,3.22,265641,137105,8569080\r\nP09722,Velachery,1892,22-11-2005,38,3,2,5,AdjLand,Yes,01-12-1969,House,ELO,Gravel,RM,3.9,3.5,4.8,3.99,449425,133613,12146620\r\nP04743,Velachery,1517,05-07-2010,40,2,1,4,Family,No,08-07-1999,Commercial,ELO,Paved,C,4,4.6,2.9,3.94,408507,116716,11671620\r\nP06768,Adyar,1034,30-05-2009,73,1,1,3,AdjLand,Yes,03-06-1993,Others,ELO,Gravel,C,3.8,3.3,3.5,,277702,46284,9256740\r\nP06746,Velachery,1755,06-06-2009,142,2,1,4,Family,Yes,15-06-1974,Commercial,NoSewr ,Gravel,I,4.6,4,3.9,4.12,581720,193907,14915900\r\nP00934,Anna Nagar,1622,20-04-2013,79,1,1,4,AdjLand,Yes,22-04-2006,House,NoSeWa,Paved,RM,2.2,3.3,2.2,2.475,406434,243860,13547790\r\nP00899,Chrompet,1092,13-05-2013,89,1,1,3,Normal Sale,No,14-05-2009,Others,AllPub,No Access,RH,2.4,2.4,2,2.28,246391,57491,8213040\r\nP00566,Chrompet,821,02-01-2014,34,1,1,3,AdjLand,No,04-01-2006,House,NoSeWa,Paved,RH,3.4,4.6,2.9,3.73,182600,65736,7304000\r\nP07878,KK Nagar,1694,07-07-2008,72,2,1,4,Family,No,10-07-1997,Others,NoSeWa,Gravel,RL,4,2,3.9,3.36,353291,114300,10390900\r\nP05305,Anna Nagar,1809,22-03-2010,177,2,1,5,Family,No,28-03-1984,Commercial,AllPub,No Access,RL,3,3.5,2,2.725,518585,230482,19206870\r\nP02252,Karapakkam,1401,05-11-2011,20,2,2,4,Partial,Yes,08-11-1997,Others,AllPub,Gravel,RL,3.8,4.3,4,4.03,438477,229204,9965375\r\nP03571,Karapakkam,1470,26-02-2011,99,2,2,4,AbNormal,No,04-03-1986,Others,NoSewr ,No Access,RH,3.1,3,3.1,3.07,302694,172968,7207000\r\nP00942,Chrompet,798,15-04-2013,166,1,1,2,Partial,No,24-04-1976,Commercial,NoSewr ,Paved,RH,2.3,2.6,3.6,2.81,253975,145129,9070550\r\nP08304,Chrompet,764,21-02-2008,137,1,1,2,Partial,No,23-02-2000,House,ELO,No Access,RH,3.3,3.2,2.1,2.9,158766,90723,5670200\r\nP07597,Chrompet,1135,25-09-2008,50,1,1,3,AbNormal,No,01-10-1985,Others,NoSewr ,No Access,RM,4.9,2.1,3.8,3.45,296102,148051,9253200\r\nP06565,Karapakkam,939,23-07-2009,74,1,1,3,AbNormal,No,02-08-1971,House,ELO,No Access,I,4.9,3.7,3.3,3.9,214700,38646,4294000\r\nP06398,Karapakkam,1586,27-08-2009,59,2,2,4,Normal Sale,Yes,03-09-1981,Commercial,NoSewr ,Gravel,RM,3.9,3,4.5,3.87,586956,200424,14316000\r\nP09293,T Nagar,1973,29-01-2007,63,2,1,5,Family,Yes,07-02-1972,Commercial,AllPub,Gravel,RM,2.6,2.9,4.9,3.71,885666,116535,23307000\r\nP09021,Chrompet,1023,11-05-2007,44,1,1,3,Partial,Yes,15-05-1990,House,AllPub,Pavd,RM,3,2.8,3.6,3.1,282319,38941,9735150\r\nP04325,Chrompet,884,22-09-2010,75,1,1,3,Normal Sale,No,23-09-2006,Commercial,NoSewr ,No Access,RM,2.3,3.8,2.4,2.93,283410,45346,11336400\r\nP05031,Anna Nagar,1640,14-05-2010,113,1,1,4,AdjLand,No,15-05-2005,Commercial,ELO,No Access,RH,2.5,3.1,3.5,3.05,495645,194718,17701600\r\nP08918,Adyar,622,20-06-2007,60,1,1,2,Normal Sale,No,25-06-1987,Others,ELO,No Access,RL,2.7,4.9,3.5,3.54,216906,72302,6572900\r\nP05947,Anna Nagar,1880,23-11-2009,90,2,1,5,Partial,Yes,27-11-1993,House,NoSeWa,No Access,RM,3.2,4.2,4,3.77,483229,214768,13423020\r\nP05350,KK Nagar,2413,13-03-2010,166,4,2,6,AbNormal,No,15-03-2001,Others,NoSeWa,Paved,RM,2.5,2.4,2.9,2.63,419905,170587,13212040\r\nP07092,T Nagar,1649,28-02-2009,169,1,1,4,AdjLand,No,06-03-1984,Commercial,AllPub,Gravel,RH,2.1,2,4.6,3.2,681808,113635,18939100\r\nP08337,Velachery,1729,08-02-2008,144,2,1,4,Partial,Yes,18-02-1967,Commercial,NoSewr ,Paved,A,3.3,4,4,3.83,396911,128036,12803570\r\nP00089,T Nagar,1942,20-12-2014,10,2,1,5,Family,No,29-12-1977,House,NoSeWa,Gravel,RH,4.6,3.1,2.9,,320599,61654,12330740\r\nP00403,Chrompet,711,12-05-2014,116,1,1,2,AdjLand,Yes,15-05-2002,Others,NoSeWa,No Access,RL,2.6,3.2,2.8,2.9,249558,64402,8050270\r\nP00717,Chrompet,885,19-09-2013,122,1,1,3,Family,No,27-09-1981,House,ELO,No Access,RM,4.6,2.7,2.1,3.09,237422,107919,7194600\r\nP06064,KK Nagar,1688,30-10-2009,148,2,1,4,AbNormal,Yes,03-11-1994,House,NoSewr ,Gravel,RM,2,2.5,4,4,3.11,547810,285318,11412700\r\nP08625,Adyar,1236,17-10-2007,108,2,2,4,Family,No,26-10-1970,Commercial,ELO,Gravel,A,3.7,3.5,4,4,4.01,481414,24071,12035355\r\nP02917,Karapakkam,926,29-06-2011,98,1,1,3,Family,No,04-07-1991,House,ELO,Gravel,RL,4.3,4.8,2.9,3.89,288834,68770,6877000\r\nP06881,KK Nagar,1686,30-04-2009,57,2,1,4,AbNormal,No,06-05-1985,Others,NoSeWa,Paved,RM,3.2,2.7,3.9,3.33,382817,196582,10346400\r\nP05823,Karapakkam,1344,16-12-2009,129,2,2,4,AdjLand,No,29-12-1959,Commercial,NoSewr ,Gravel,RH,4.6,4.2,3.3,3.96,453999,259428,10809500\r\nP01492,KK Nagar,1437,02-04-2012,104,2,1,4,Family,No,08-04-1989,Others,AllPub,Gravel,RM,3.8,4.6,2.6,3.56,489629,102006,10200600\r\nP06226,Karapakkam,1430,02-10-2009,17,2,2,4,AbNormal,Yes,05-10-1999,Others,NoSewr ,No Access,A,4.3,3.2,3.8,,238887,106172,6635750\r\nP07481,Adyar,1081,26-10-2008,85,1,1,3,Family,No,03-11-1978,House,AllPub,No Access,C,3.5,3.1,3.2,3.27,241416,6190,6190150\r\nP05518,Karapakkam,1352,09-02-2010,1,2,2,4,Normal Sale,Yes,16-02-1983,House,ELO,Gravel,A,3,2,3.5,2.9,240768,123638,6507250\r\nP06801,KK Nagar,1986,19-05-2009,109,3,2,5,Normal Sale,No,27-05-1979,House,AllPub,Gravel,RM,4.9,3.6,4.6,4.39,476717,227008,11350400\r\nP07373,Anna Nagar,1758,05-12-2008,164,1,1,4,Partial,Yes,16-12-1966,Commercial,AllPub,No Access,RL,3.5,2.9,4,3.55,713565,231426,19285540\r\nP04399,Karapakkam,607,08-09-2010,121,1,1,2,Normal Sale,No,19-09-1964,Other,NoSeWa,Gravel,RL,4.2,4.9,2.2,3.61,175699,117133,5856625\r\nP07490,KK Nagar,2139,24-10-2008,136,3,2,5,Normal Sale,Yes,30-10-1987,Others,NoSewr ,Paved,RL,2.3,4.1,2.4,2.88,424048,249440,12472000\r\nP05417,KK Nagar,1488,28-02-2010,97,2,1,4,Partial,No,07-03-1983,Others,AllPub,Paved,RH,2.3,5,4.1,3.83,405211,202606,8441900\r\nP09702,Velachery,1645,27-01-2006,96,2,1,4,Partial,No,03-02-1980,House,NoSeWa,No Access,RH,3.7,4.5,2.1,3.58,250118,75793,7579320\r\nP05869,Chrompet,950,07-12-2009,177,1,1,3,Normal Sale,Yes,14-12-1983,Others,NoSeWa,Gravel,RL,3.7,2.6,3.4,3.17,273252,146385,9759000\r\nP00534,Chrompet,928,25-01-2014,90,1,1,3,Partial,Yes,26-01-

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1975,Commercial,NoSeWa,Paved,RL,3.2,2.5,4.3,3.465,507580,199406,18127850\r\nP01831,Chrompet,1270,31-01-
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2007,195,1,1,3,AbNormal,No,06-11-1992,Others,NoSewr ,Paved,RH,4.9,3.9,3,3.93,275365,97710,8882750\r\nP04963,KK Nagar,2369,27-05-
2010,173,4,2,6,Normal Sale,Yes,03-06-1982,Commercial,NoSeWa,Paved,RM,4.7,2.9,4.6,4.12,952411,485924,19436960\r\nP08645,Anna
Nagar,1814,10-10-2007,110,2,1,5,Family,Yes,15-10-1984,Commercial,AllPub,No
Access,RL,2.9,3.2,4.9,3.775,612639,326741,20421310\r\nP05582,T Nagar,1925,30-01-2010,49,2,1,5,AdjLand,No,03-02-
1995,Commercial,ELO,Gravel,RM,2.6,4,3.1,3.175,652487,382492,22499550\r\nP06198,Karapakkam,1217,06-10-2009,17,1,1,3,AdjLand,Yes,07-
10-2004,House,NoSeWa,No Access,A,4.1,2,3.5,3.23,177018,142756,5710250\r\nP00247,Anna Nagar,1668,28-08-
2014,40,1,1,4,AbNormal,No,02-09-1993,House,ELO,Paved,RH,3.8,2.7,2.2,2.885,401057,151751,10839370\r\nP09822,Velachery,1668,27-04-
2005,15,2,1,4,Partial,Yes,10-05-1954,Others,AllPub,Gravel,RH,3,3,3.1,3.03,399747,71749,10249920\r\nP01749,Karapakkam,1435,14-02-
2012,81,2,2,4,AbNormal,Yes,24-02-1972,Commercial,NoSeWa,Paved,I,3.6,2.6,4.3,3.58,389268,173008,10813000\r\nP02094,Adyar,762,11-12-
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2011,29,3,2,5,Normal Sale,No,21-06-1985,Others,NoSewr ,Paved,I,3.9,2.6,2.1,2.78,339263,131936,9423970\r\nP00159,Chrompet,1255,02-
11-2014,129,2,1,4,AdjLand,No,11-11-1977,House,ELO,Gravel,RM,3.6,3.8,4.7,4.01,296466,92007,10222950\r\nP07003,KK Nagar,2011,28-03-
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05-2004,154,3,2,5,Partial,Yes,15-05-1978,Commercial,AllPub,No
Access,C,2.2,4.2,3,3.34,548259,182753,14057920\r\nP09668,Velachery,1743,02-04-2006,86,2,1,4,Normal Sale,No,06-04-
1988,Commercial,NoSewr ,Paved,A,3.7,2.3,2.4,2.68,474930,187472,12498160\r\nP00694,Anna Nagar,1545,12-10-
2013,45,1,1,4,AdjLand,Yes,18-10-1991,Commercial,NoSewr ,No
Access,RM,3.4,4.2,2.4,3.2,570913,247396,19030440\r\nP03516,Chrompet,782,11-03-2011,195,1,1,2,Family,Yes,13-03-
2003,Commercial,NoSewr ,Paved,RM,2.6,4.5,3.2,3.54,334174,119348,11934800\r\nP04878,Karapakkam,1349,12-06-
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02-2010,35,2,1,4,Normal Sale,Yes,21-02-1994,House,NoSewr
,Paved,RH,2.5,4.5,2.1,2.94,466518,87472,9719120\r\nP08803,Velachery,1727,12-08-2007,5,2,1,4,AdjLand,No,24-08-
1957,Commercial,NoSewr ,Gravel,C,3.5,2.8,4.6,3.52,491421,225788,13281650\r\nP00611,Chrompet,813,28-11-
2013,103,1,1,3,AdjLand,Yes,06-12-1980,House,ELO,Gravel,RM,3.9,3.4,4.8,3.97,247321,95124,9512350\r\nP00410,Anna Nagar,1998,08-05-
2014,20,2,1,5,AbNormal,Yes,09-05-2008,Commercial,AllPub,No Access,RL,2.2,3.9,4.2,3.425,761636,313615,22401070\r\nP02501,KK
Nagar,1961,23-09-2011,197,3,2,5,Normal Sale,Yes,27-09-
1995,Others,NoSeWa,Paved,RM,3.8,4.8,4.2,4.26,391119,176634,12616740\r\nP03080,KK Nagar,2298,30-05-2011,106,4,2,6,Normal
Sale,No,06-06-1982,Others,NoSewr ,Paved,RM,4.9,2.7,3.6,3.72,593664,176836,12631140\r\nP06010,Karapakkam,1544,10-11-
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Nagar,1930,25-03-2010,158,2,1,5,Partial,No,30-03-1991,Commercial,NoSewr ,No
Access,RM,2.4,2.8,3.1,2.78,517380,227647,20695180\r\nP07848,Adyar,642,14-07-2008,72,1,1,2,AbNormal,Yes,17-07-1998,House,NoSewr
,Gravel,RH,2,4,4,3.4,243635,89333,8121150\r\nP06308,Chrompet,1066,16-09-2009,120,1,1,3,Family,No,21-09-1990,Commercial,AllPub,No
Access,RH,3.8,2.1,2.7,2.79,302547,67233,11205450\r\nP08471,Anna Nagar,1673,20-12-2007,120,1,1,4,AdjLand,Yes,30-12-
1967,Others,ELO,Gravel,RM,3.2,2.2,3.7,3.15,588116,102920,14702890\r\nP00376,Anna Nagar,1829,31-05-2014,24,2,1,5,Family,Yes,08-06-
1980,House,NoSewr ,No Access,RM,3.3,3.6,4.7,3.935,474384,158128,13177330\r\nP03607,Karapakkam,616,17-02-
2011,84,1,1,2,AbNormal,No,24-02-1981,Commercial,ELO,Gravel,RH,3.9,2,4.9,3.73,231387,74861,6805500\r\nP09520,Adyar,713,27-10-
2006,60,1,1,2,AdjLand,No,05-11-1969,Others,NoSewr ,Gravel,I,4.9,3,3.7,3.92,235892,85779,7148255\r\nP09413,Chrompet,838,18-12-
2006,31,1,1,3,AbNormal,No,24-12-1981,Others,NoSewr ,Gravel,RL,4.9,2.5,2.2,3.13,234411,108834,8371810\r\nP05722,Velachery,1804,04-
01-2010,64,3,2,5,Partial,Yes,06-01-2001,Commercial,AllPub,No Access,I,4.3,2.4,3.6,3.24,450245,145240,14524030\r\nP00789,Anna
Nagar,1840,22-07-2013,48,2,1,5,Normal Sale,Yes,29-07-1984,Others,ELO,No
Access,RL,4,4.6,2.4,3.51,414086,82817,13802880\r\nP07419,Adyar,876,18-11-2008,99,1,1,3,AdjLand,Yes,23-11-1991,Others,ELO,No
Access,I,4.3,3.9,2.2,3.17,254248,95343,7945255\r\nP05505,Karapakkam,1213,12-02-2010,167,1,1,3,Family,No,21-02-
1975,Others,NoSeWa,Paved,RH,3.8,3.8,2.6,3.32,225373,132573,6628625\r\nP07538,Velachery,1541,10-10-2008,42,2,1,4,Family,No,22-10-
1963,House,AllPub,No Access,A,2.2,3.4,4.9,3.55,183955,72467,5574400\r\nP03640,Karapakkam,1401,09-02-2011,132,2,2,4,AdjLand,No,19-
02-1970,House,AllPub,Paved,RL,5,2.8,3.4,3.7,371312,189606,7900250\r\nP10010,Velachery,1637,22-03-2004,100,2,1,4,Partial,No,27-03-
1986,Others,NoSewr ,Paved,I,2.2,3.3,4.7,3.45,275903,181061,8621960\r\nP06549,Chrompet,1299,26-07-2009,104,2,1,4,Normal
Sale,Yes,27-07-2005,House,NoSewr ,Gravel,RM,3.6,3.9,4,3.84,319820,153988,11845200\r\nP02672,Karapakkam,1160,21-08-
2011,52,1,1,3,Family,No,31-08-1968,Commercial,NoSewr ,Paved,RL,4.4,3.5,2.4,3.33,380650,133228,9516250\r\nP03941,Chrompet,770,08-
12-2010,181,1,1,2,Partial,Yes,11-12-
1998,House,NoSeWa,Paved,RM,2.5,3.9,3.6,3.39,248182,119812,8558000\r\nP02361,Karapakkam,1496,17-10-2011,60,2,2,4,Normal
Sale,Yes,22-10-1989,House,AllPub,Paved,RM,4.8,4.9,2,3.71,293685,234948,9789500\r\nP08780,Chrompet,911,23-08-
2007,125,1,1,3,Partial,Yes,26-08-1993,Others,ELO,Paved,RH,4.5,3.5,2,3.35,276658,108986,8383570\r\nP03423,T Nagar,1763,30-03-
2011,93,1,1,4,Partial,Yes,07-04-1979,House,AllPub,Paved,RH,2.9,3.1,4.2,3.535,449035,72817,12136090\r\nP03472,Chrompet,858,21-03-
2011,96,1,1,3,AbNormal,Yes,25-03-1992,Others,ELO,Gravel,RH,4.1,4.9,4.1,4.42,222643,89057,8905710\r\nP05240,Velachery,1943,04-04-
2010,36,3,2,5,AbNormal,No,11-04-1981,Commercial,ELO,Gravel,I,4.5,3.6,3.5,3.80,515611,151650,15165030\r\nP09799,Velachery,1920,22-
06-2005,192,3,2,5,AdjLand,No,05-07-1953,Others,NoSeWa,No
Access,I,3.6,3.2,3.4,3.36,293886,71245,8905640\r\nP06435,Karapakkam,672,19-08-2009,34,1,1,2,Normal Sale,Yes,24-08-
1991,House,NoSewr ,No Access,RH,2.6,3,3.6,3.12,185576,134964,5623500\r\nP08772,Chrompet,912,26-08-2007,90,1,1,3,Normal
Sale,Yes,27-08-2000,Others,NoSeWa,Gravel,RL,2.8,3.4,4,3.4,268993,89664,9962690\r\nP04245,Karapakkam,584,07-10-
2010,59,1,1,2,Partial,Yes,18-10-1965,Commercial,AllPub,No Access,C,2.4,3.7,4.7,3.71,178841,51098,5109750\r\nP03517,KK
Nagar,2222,11-03-2011,20,4,2,6,Partial,Yes,12-03-
2005,Commercial,AllPub,Gravel,RL,2.2,4.2,2.5,2.92,561790,355800,18726320\r\nP01283,Anna Nagar,1939,01-09-2012,130,2,1,5,Normal
Sale,Yes,09-09-1983,Commercial,ELO,No Access,RL,4.9,3,2.5,3.465,826735,317975,21198330\r\nP01941,Karapakkam,1420,10-01-
2012,76,2,2,4,Partial,No,11-01-2005,Others,NoSewr ,Gravel,C,4.8,2.8,2,3.08,213983,57062,7132750\r\nP04967,Anna Nagar,1993,26-05-
2010,15,2,1,5,Family,Yes,04-06-1974,House,ELO,Paved,RL,3,3.5,4,3.525,366527,257926,13575070\r\nP01276,T Nagar,1818,09-09-
2012,146,2,1,5,Family,Yes,16-09-1984,House,NoSewr ,No
Access,RM,4.6,3.1,3.2,3.595,331690,252085,13267610\r\nP05484,Karapakkam,1459,16-02-2010,126,2,2,4,Partial,Yes,29-02-
1960,Commercial,AllPub,Paved,A,4.3,3.4,3.8,3.83,307376,134477,9605500\r\nP06931,Velachery,1889,15-04-2009,78,3,2,5,Normal
Sale,Yes,20-04-1989,House,NoSewr ,Paved,A,3.9,4,4.6,4.16,277185,187770,8941450\r\nP00549,Chrompet,1155,13-01-
2014,99,1,1,3,AbNormal,Yes,18-01-1996,House,NoSewr ,No Access,RM,3.3,4.4,2.7,3.56,273966,166337,9784500\r\nP00811,Anna
Nagar,1707,08-07-2013,145,1,1,4,AdjLand,Yes,14-07-
1988,Commercial,AllPub,Gravel,RH,3.9,4.8,3.7,4.045,652776,163194,20399250\r\nP05193,Adyar,896,12-04-2010,135,1,1,3,Normal
Sale,No,16-04-1994,House,NoSeWa,Gravel,A,4,3.9,3.9,3.93,217915,62261,6226140\r\nP08362,Velachery,1972,29-01-
2008,194,3,2,5,Family,No,01-02-1994,House,NoSewr ,No Access,RM,2.9,2.2,4.9,3.19,370175,92544,10282630\r\nP08808,Velachery,1506,11-
08-2007,172,2,1,4,Family,Yes,21-08-1966,House,AllPub,No Access,RH,3.8,2,3.6,2.93,303478,123032,8202120\r\nP00701,Chrompet,868,08-
10-2013,179,1,1,3,AbNormal,Yes,18-10-1975,House,ELO,Gravel,RL,4.1,4.2,2.1,3.54,224507,25905,8634900\r\nP04519,Anna Nagar,1661,15-
08-2010,143,1,1,4,AdjLand,Yes,19-08-1992,Commercial,NoSewr ,No
Access,RH,4.2,2,2.2,2.85,620145,263092,18792260\r\nP07725,Chrompet,962,19-08-2008,20,1,1,3,AdjLand,Yes,23-08-
1993,Commercial,NoSeWa,Paved,RM,3.5,2.4,3.1,2.94,393237,208907,12288650\r\nP05508,KK Nagar,1609,12-02-
2010,49,2,1,4,Partial,Yes,18-02-1988,Others,NoSeWa,Gravel,RM,2.8,3.4,2.8,2.98,509014,90491,11311420\r\nP09273,Chrompet,1250,05-02-
2007,124,2,1,4,Family,Yes,06-02-2002,House,NoSewr ,Gravel,RH,2.9,3,3.9,3.24,327563,133073,10236350\r\nP02745,Anna Nagar,1796,07-
08-2011,183,1,1,4,AbNormal,Yes,18-08-1966,Others,NoSewr
,Gravel,RH,4.5,3.1,2.8,3.47,524411,262205,13800280\r\nP04633,Karapakkam,909,27-07-2010,125,1,1,3,Family,No,03-08-
1983,Others,NoSeWa,Paved,RH,3.5,2.5,2.4,2.76,245474,81825,5844625\r\nP09570,Velachery,1930,28-09-2006,140,3,2,5,AdjLand,No,09-10-
1962,Others,ELO,Gravel,RM,3.9,2.2,3,2.87,355606,248924,11853530\r\nP07260,Anna Nagar,2000,05-01-2009,124,2,1,5,AbNormal,No,11-01-
1986,Commercial,NoSeWa,Gravel,RH,4.1,2.1,3.9,3.52,597426,128020,21336660\r\nP08755,Adyar,949,01-09-2007,6,1,1,3,Family,Yes,08-09-
1979,Others,NoSewr ,No Access,A,3.6,4,4.6,4.18,258196,72825,6620420\r\nP04939,Anna Nagar,1639,31-05-2010,153,1,1,4,AbNormal,No,10-
06-1970,Commercial,NoSewr ,Gravel,RH,3.8,3.5,2.9,3.365,449414,143813,17876550\r\nP06533,Chrompet,923,01-08-2009,7,1,1,3,Normal
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06-1970,Commercial,NoSewr ,Gravel,RH,3.8,3.5,2.9,3.385,449414,143812,17976550\r\nP06522,Chrompet,925,01-08-2009,7,1,1,3,Normal
Sale,Yes,11-08-1970,House,ELO,No Access,RL,2.5,2.8,3.1,2.8,222768,122906,7681650\r\nP02304,Karapakkam,502,27-10-
2011,59,1,1,2,Normal Sale,No,31-10-
1993,Commercial,NoSeWa,Paved,I,2.2,2.5,4.9,3.37,182189,112529,5358500\r\nP09833,Velachery,1511,29-03-2005,74,2,1,4,Normal
Sale,Yes,02-04-1989,House,ELO,Gravel,RL,3.6,4.9,2.7,3.92,373319,176289,10369970\r\nP05413,Adyar,873,28-02-
2010,11,1,1,3,AbNormal,Yes,03-03-1998,Commercial,NoSeWa,Paved,RL,4.8,2.9,2.6,3.32,453261,163678,12590580\r\nP07386,KK
Nagar,2155,29-11-2008,151,3,2,5,Normal Sale,No,05-12-
1984,House,AllPub,Gravel,RL,3.4,3.4,3,3.24,426264,157045,11217480\r\nP09135,Adyar,647,26-03-2007,28,1,1,2,AdjLand,Yes,30-03-
1991,House,NoSeWa,Paved,I,4.7,4.5,3.3,3.96,244951,28818,7204440\r\nP00142,Chrompet,934,11-11-2014,75,1,1,3,AbNormal,Yes,16-11-
1993,Others,NoSewr ,No Access,RM,3.1,2.4,4.4,3.21,253458,28162,9387330\r\nP02308,KK Nagar,2251,27-10-
2011,156,4,2,6,AdjLand,Yes,02-11-1985,House,AllPub,Paved,RM,2.7,4.8,2.5,3.25,571662,233862,12992320\r\nP04331,Karapakkam,670,21-
09-2010,19,1,1,2,AdjLand,Yes,26-09-1990,House,ELO,No Access,C,4.3,3.8,2.1,3.27,176007,63182,4513000\r\nP05199,Karapakkam,1343,11-
04-2010,117,2,2,4,Family,No,20-04-1974,Commercial,ELO,No
Access,A,3.7,4.8,4.6,4.39,280645,182040,7585000\r\nP00302,Chrompet,1021,16-07-2014,14,1,1,3,Normal Sale,Yes,20-07-
1996,Commercial,NoSewr ,No Access,RL,3,4,4.7,3.91,327733,50420,12605100\r\nP04063,Karapakkam,882,15-11-
2010,173,1,1,2,Partial,No,27-11-1962,Commercial,NoSewr ,No
Access,C,5,4.1,3,3.93,272350,119834,5447000\r\nP09080,Velachery,1573,13-04-2007,121,2,1,4,AdjLand,No,18-04-1987,House,NoSeWa,No
Access,RH,2.8,2.2,4.1,2.92,296910,152467,8024600\r\nP00251,Anna Nagar,1979,26-08-2014,83,2,1,5,Normal Sale,No,31-08-
1994,Commercial,NoSewr ,No Access,RH,3.6,3.3,2.1,2.925,727335,161630,20203750\r\nP03353,T Nagar,1926,10-04-2011,100,2,1,5,Normal
Sale,No,17-04-1980,Commercial,AllPub,No Access,RM,4.3,2.4,2,2.79,714235,147048,21006920\r\nP01667,Karapakkam,1347,28-02-
2012,94,2,2,4,Partial,No,12-03-1962,House,NoSewr ,No Access,RL,4.2,2.7,4.8,3.99,299578,101984,6374000\r\nP08364,T Nagar,1760,28-
01-2008,173,1,1,4,Family,Yes,04-02-1979,Commercial,ELO,Paved,RH,4.3,2.6,3.2,3.38,544051,233165,19430380\r\nP05196,KK
Nagar,1776,12-04-2010,95,2,1,4,AdjLand,Yes,18-04-1986,Commercial,NoSewr
,Paved,RH,3.8,3.6,3,3.42,545043,317942,15140080\r\nP06773,Chrompet,1037,29-05-2009,127,1,1,3,Family,Yes,01-06-1997,House,NoSewr
,Paved,RM,2.3,4.9,3.2,3.61,318918,159459,9966200\r\nP04146,Karapakkam,1365,27-10-2010,108,2,2,4,Family,Yes,28-10-
2004,Others,AllPub,Paved,C,4.4,2.5,3,3.27,332385,139138,7729875\r\nP03414,Karapakkam,1179,31-03-2011,81,1,1,3,Normal Sale,No,03-
04-1997,Commercial,NoSewr ,No Access,RM,3,3,2.4,2.76,447722,91580,10175500\r\nP03885,Anna Nagar,1514,22-12-
2010,181,1,1,4,Partial,Yes,24-12-2001,Others,ELO,Paved,RH,2.2,2.5,2,2.195,467152,215609,11978250\r\nP09491,Chrompet,1103,12-11-
2006,26,1,1,3,Partial,Yes,15-11-1995,Commercial,NoSewr ,No
Access,RM,2.9,2.5,4.1,3.1,408662,40866,13622050\r\nP00679,Chrompet,878,22-10-2013,165,1,1,3,Family,No,31-10-1977,Others,NoSewr
,Gravel,RM,4.5,2.8,5,3.97,286735,71684,8960460\r\nP07902,Anna Nagar,1571,30-06-2008,138,1,1,4,Normal Sale,No,09-07-
1974,Commercial,ELO,Paved,RL,3,4.9,3.9,3.835,508745,122801,17542930\r\nP08524,Velachery,1502,25-11-2007,185,2,1,4,Family,No,08-12-
1954,Others,ELO,Paved,I,4.7,2.4,4.4,3.58,247144,82381,7489210\r\nP08449,Velachery,1737,27-12-2007,107,2,1,4,Normal Sale,No,28-12-
2000,Others,NoSewr ,No Access,A,3.5,4.5,2.2,3.56,307536,138391,7688390\r\nP06168,Karapakkam,1252,10-10-
2009,47,1,1,3,AbNormal,Yes,13-10-1999,Others,ELO,Gravel,RM,2.9,4.9,2.5,3.34,308481,248775,9951000\r\nP04347,Karapakkam,1584,18-09-
2010,85,2,2,4,AdjLand,Yes,25-09-1982,House,NoSeWa,Paved,A,3.8,3.1,4.5,3.87,327684,160356,6972000\r\nP07740,Anna Nagar,1658,15-08-
2008,17,1,1,4,Family,No,26-08-
1966,Others,ELO,Paved,RM,2.2,3,3.5,2.92,376415,125472,12547180\r\nP01195,Anna Nagar,1833,01-11-2012,78,2,1,5,Family,Yes,09-11-
1983,Commercial,ELO,Gravel,RM,4.5,4.8,3,4,4.135,745505,416606,21926630\r\nP06946,Chrompet,1057,12-04-2009,173,1,1,3,Family,Yes,20-
04-1976,House,NoSewr ,Gravel,RM,3,4.4,4.1,3.89,264861,152804,10186950\r\nP04872,Karapakkam,871,14-06-2010,187,1,1,2,Normal
Sale,No,19-06-1991,Others,ELO,No Access,RM,4.4,3,3.3,3.54,311586,90879,6491375\r\nP00187,Chrompet,844,12-10-
2014,22,1,1,3,AdjLand,No,17-10-1995,Others,NoSeWa,No Access,RL,3.1,3,5,3.63,245655,76767,7676730\r\nP06796,Anna Nagar,1741,21-05-
2009,160,1,1,4,AdjLand,No,29-05-1976,Commercial,NoSewr ,Gravel,RM,2.6,2.5,4,3.135,760754,308414,20560910\r\nP07182,KK
Nagar,2497,27-01-2009,197,4,2,6,Normal Sale,Yes,02-02-
1987,Others,AllPub,Gravel,RH,2,2.4,4.7,3.2,445401,301723,14367780\r\nP02201,Karapakkam,1265,16-11-2011,55,1,1,3,AbNormal,No,18-11-
2000,House,NoSewr ,No Access,RH,3.8,3,3.3,3.36,242471,103916,6927750\r\nP02267,Anna Nagar,1769,03-11-2011,28,1,1,4,AdjLand,Yes,08-
11-1989,Others,ELO,Gravel,RM,3.8,3.7,2.1,3.095,418558,294541,15502160\r\nP07879,T Nagar,1902,06-07-2008,21,2,1,5,Normal
Sale,Yes,13-07-1980,Others,NoSewr ,No Access,RH,4.5,2.2,3.6,3.52,427193,124024,13780420\r\nP05507,KK Nagar,1895,12-02-
2010,63,3,2,5,AbNormal,No,18-02-1988,Commercial,NoSeWa,Gravel,RM,3.5,3.1,4.8,3.9,551971,340923,16234440\r\nP07368,KK
Nagar,1531,07-12-2008,188,2,1,4,Partial,Yes,12-12-
1991,Commercial,AllPub,Gravel,RH,4.9,3.5,3.6,3.96,459589,292466,13926940\r\nP03771,Velachery,1838,13-01-
2011,68,3,2,5,AdjLand,No,26-01-1958,Others,ELO,Gravel,I,3.8,3.2,2.2,3.05,367105,67625,9660660\r\nP08192,Adyar,1288,26-03-
2008,64,2,2,4,AbNormal,No,30-03-1995,House,AllPub,Gravel,RL,3.8,2.4,3.8,3.52,403624,74352,10621695\r\nP01213,Anna Nagar,1738,21-
10-2012,19,1,1,4,Partial,No,01-11-
1970,Others,AllPub,Paved,RM,3.2,3.4,3.2,3.25,432461,248993,13104880\r\nP05129,Karapakkam,1010,24-04-2010,197,1,1,3,Normal
Sale,Yes,05-05-1967,Commercial,NoSeWa,No Access,A,4,2.6,4.6,3.82,271490,115383,6787250\r\nP03484,Adyar,909,18-03-
2011,0,1,1,3,AbNormal,No,19-03-2004,Commercial,AllPub,Paved,A,4,4.9,4.1,4.23,294363,137369,9812105\r\nP09577,Velachery,1635,15-09-
2006,35,2,1,4,AdjLand,Yes,24-09-1971,Commercial,ELO,No
Access,RH,2.1,3.5,4.7,3.51,511962,138368,13836800\r\nP01990,Karapakkam,744,01-01-2012,59,1,1,2,AdjLand,No,13-01-
1964,Others,NoSeWa,Gravel,I,2.8,3.7,2.3,2.87,235620,104720,5236000\r\nP01834,Karapakkam,945,30-01-2012,22,1,1,3,AdjLand,No,03-02-
1994,House,NoSeWa,Paved,C,2.4,2.9,2.8,2.71,148230,98820,4941000\r\nP00646,Chrompet,1063,10-11-2013,109,1,1,3,AbNormal,Yes,18-11-
1982,House,ELO,Gravel,RM,2.4,3.2,3.6,3.08,271962,40291,10072650\r\nP05884,Anna Nagar,1823,05-12-2009,22,2,1,5,Normal Sale,No,16-
12-1966,Commercial,NoSeWa,No Access,RL,3.7,3.9,4.9,4.23,573101,305654,19103360\r\nP05455,KK Nagar,1358,21-02-
2010,128,2,1,4,AbNormal,No,25-02-1996,Others,NoSeWa,Gravel,RL,2,4.6,2.1,2.82,428906,111888,9324040\r\nP09648,Velachery,1870,03-05-
2006,164,3,2,5,AdjLand,No,10-05-1977,House,AllPub,Gravel,A,2,3,4.4,3.17,333188,76890,8543280\r\nP04868,Chrompet,1207,15-06-
2010,56,2,1,4,AbNormal,No,23-06-1977,Others,AllPub,Paved,RH,2.5,2.2,4.6,3.01,241092,116081,8929340\r\nP02487,Anna Nagar,1892,25-
09-2011,123,2,1,5,Family,No,26-09-2006,Others,AllPub,No
Access,RH,4.6,3.7,4.1,4.175,484060,248571,13082710\r\nP09843,Velachery,1857,06-03-2005,109,3,2,5,AbNormal,No,14-03-
1974,Others,AllPub,Gravel,RH,2.8,4.8,2.9,3.73,386589,75170,10738570\r\nP04709,Adyar,1296,14-07-2010,39,2,2,4,AbNormal,Yes,21-07-
1983,Others,AllPub,No Access,RM,4.8,4.7,2.2,3.48,466060,151470,11651505\r\nP02160,Chrompet,1012,27-11-
2011,63,1,1,3,AbNormal,Yes,03-12-1984,House,NoSewr ,Paved,RH,2.5,2.5,2.2,2.41,233292,116646,8331850\r\nP07479,Chrompet,733,27-10-
2008,156,1,1,2,AdjLand,No,02-11-1985,House,AllPub,Gravel,RH,3.1,4.3,3.2,3.61,226915,65879,7319850\r\nP03349,Karapakkam,1224,10-04-
2011,129,1,1,3,Partial,Yes,18-04-
1976,Commercial,AllPub,Paved,RM,2.2,3.6,3.7,3.22,415557,277038,11543250\r\nP10008,Velachery,1587,22-03-2004,85,2,1,4,Normal
Sale,No,05-04-1951,Others,ELO,Paved,C,4.4,2.8,2.6,3.14,262786,145992,7299610\r\nP04109,Chrompet,858,05-11-2010,86,1,1,3,Normal
Sale,No,09-11-1992,Others,ELO,Paved,RM,3.8,4,3.4,3.76,241303,146505,8617960\r\nP00779,Chrompet,830,29-07-
2013,176,1,1,3,AbNormal,Yes,08-08-1974,Commercial,NoSewr
,Paved,RM,2.6,2.6,3.2,2.78,343425,201318,11842250\r\nP09892,Velachery,1665,23-11-2004,91,2,1,4,Partial,No,04-12-1960,House,NoSewr
,No Access,RH,3.6,4.8,4.8,4.50,285641,82686,7516880\r\nP07039,Adyar,1003,13-03-2009,49,1,1,3,AdjLand,Yes,20-03-
```

```python
import pandas as pd
df = pd.read_csv("/content/train-chennai-sale.csv")
df
```

	PRT_ID	AREA	INT_SQFT	DATE_SALE	DIST_MAINROAD	N_BEDROOM	N_BATHROO
0	P03210	Karapakkam	1004	04-05-2011	131	1.0	1
1	P09411	Anna Nagar	1986	19-12-2006	26	2.0	1
2	P01812	Adyar	909	04-02-2012	70	1.0	1
3	P05346	Velachery	1855	13-03-2010	14	3.0	2
4	P06210	Karapakkam	1226	05-10-2009	84	1.0	1
...	...	...	...	...	...	...	
7104	P03834	Karapakkam	598	03-01-2011	51	1.0	1
7105	P10000	Velachery	1897	08-04-2004	52	3.0	2
7106	P09594	Velachery	1614	25-08-2006	152	2.0	1
7107	P06508	Karapakkam	787	03-08-2009	40	1.0	1
7108	P09794	Velachery	1896	13-07-2005	156	3.0	2

```
#checking null is persent or not
df.isnull()
```

	PRT_ID	AREA	INT_SQFT	DATE_SALE	DIST_MAINROAD	N_BEDROOM	N_BATHROOM	N_R
0	False	False	False	False	False	False	False	Fa
1	False	False	False	False	False	False	False	Fa
2	False	False	False	False	False	False	False	Fa
3	False	False	False	False	False	False	False	Fa
4	False	False	False	False	False	False	False	Fa
...	...	...	...	...	...	...	...	
7104	False	False	False	False	False	False	False	Fa
7105	False	False	False	False	False	False	False	Fa
7106	False	False	False	False	False	False	False	Fa
7107	False	False	False	False	False	False	False	Fa
7108	False	False	False	False	False	False	False	Fa

7109 rows × 22 columns

```
1992,House,ELO,Gravel,A,4.8,3.4,4.3,4.27,301111,7528,7527770\r\nP08490,Velachery,1607,10-12-2007,85,2,1,4,Family,Yes,15-12-
```

```
df['AREA']
```

```
0       Karapakkam
1       Anna Nagar
2            Adyar
3        Velachery
4       Karapakkam
           ...
7104    Karapakkam
7105     Velachery
7106     Velachery
7107    Karapakkam
7108     Velachery
Name: AREA, Length: 7109, dtype: object
```

```
#remove duplicates in Area column using drop
df.drop_duplicates(keep='first',subset=['AREA']);
```

```
df #only 17 rows persent
```

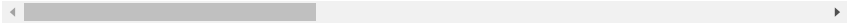|	PRT_ID	AREA	INT_SQFT	DATE_SALE	DIST_MAINROAD	N_BEDROOM	N_BATHROO
0	P03210	Karapakkam	1004	04-05-2011	131	1.0	1
1	P09411	Anna Nagar	1986	19-12-2006	26	2.0	1
2	P01812	Adyar	909	04-02-2012	70	1.0	1
3	P05346	Velachery	1855	13-03-2010	14	3.0	2
4	P06210	Karapakkam	1226	05-10-2009	84	1.0	1
...	...	...	...	...	...	...	
7104	P03834	Karapakkam	598	03-01-2011	51	1.0	1
7105	P10000	Velachery	1897	08-04-2004	52	3.0	2
7106	P09594	Velachery	1614	25-08-2006	152	2.0	1
7107	P06508	Karapakkam	787	03-08-2009	40	1.0	1
7108	P09794	Velachery	1896	13-07-2005	156	3.0	2

7109 rows × 22 columns

```
#Remove the dulicates from Area and replace with correct Name
df['AREA'] = df['AREA'].replace ({'Karapakam':'Karapakkam','Adyr':'Adyar','Velchery':'Velachery','Ana Nagar':'Anna Nagar',
                      'Chrompt':'Chrompet','Chrmpet':'Chrompet','KKNagar':'KK Nagar','TNagar':'T Nagar','Ann Nagar':'Anna Nagar'})
```

```
df
```

	PRT_ID	AREA	INT_SQFT	DATE_SALE	DIST_MAINROAD	N_BEDROOM	N_BATHROO
0	P03210	Karapakkam	1004	04-05-2011	131	1.0	1
1	P09411	Anna Nagar	1986	19-12-2006	26	2.0	1
2	P01812	Adyar	909	04-02-2012	70	1.0	1
3	P05346	Velachery	1855	13-03-2010	14	3.0	2
4	P06210	Karapakkam	1226	05-10-2009	84	1.0	1
...	...	...	...	...	...	...	
7104	P03834	Karapakkam	598	03-01-2011	51	1.0	1
7105	P10000	Velachery	1897	08-04-2004	52	3.0	2
7106	P09594	Velachery	1614	25-08-2006	152	2.0	1
7107	P06508	Karapakkam	787	03-08-2009	40	1.0	1
7108	P09794	Velachery	1896	13-07-2005	156	3.0	2

7109 rows × 22 columns

```
# taken uniques values in Area table
df.AREA.unique()
```

```
array(['Karapakkam', 'Anna Nagar', 'Adyar', 'Velachery', 'Chrompet',
       'KK Nagar', 'T Nagar', 'Chormpet'], dtype=object)
```

```
df['AREA']
```

```
0        Karapakkam
1       Anna Nagar
2            Adyar
3        Velachery
4       Karapakkam
            ...
7104    Karapakkam
7105     Velachery
7106     Velachery
7107    Karapakkam
7108     Velachery
Name: AREA, Length: 7109, dtype: object
```

```
#QS_Overall = 48  Null values
#N_Bedroom = 1 Null
#N_Bathroom = 5 null
df.isna().sum()
```

```
PRT_ID           0
AREA             0
INT_SQFT         0
DATE_SALE        0
DIST_MAINROAD    0
N_BEDROOM        1
N_BATHROOM       5
N_ROOM           0
SALE_COND        0
PARK_FACIL       0
DATE_BUILD       0
BUILDTYPE        0
UTILITY_AVAIL    0
STREET           0
MZZONE           0
QS_ROOMS         0
QS_BATHROOM      0
QS_BEDROOM       0
QS_OVERALL      48
REG_FEE          0
COMMIS           0
SALES_PRICE      0
dtype: int64
```

```
df['QS_OVERALL']
```

```
0       4.330
1       3.765
2       3.090
3       4.010
4       3.290
        ...
7104    2.520
7105    3.920
7106    3.840
7107    4.160
7108    3.640
Name: QS_OVERALL, Length: 7109, dtype: float64
```

```
#QS_Overall = 0 Null
df['QS_OVERALL'].fillna(method ='bfill',inplace=True)
df.isna().sum()
```

```
PRT_ID           0
AREA             0
INT_SQFT         0
DATE_SALE        0
DIST_MAINROAD    0
N_BEDROOM        1
N_BATHROOM       5
N_ROOM           0
SALE_COND        0
PARK_FACIL       0
DATE_BUILD       0
BUILDTYPE        0
UTILITY_AVAIL    0
STREET           0
MZZONE           0
QS_ROOMS         0
QS_BATHROOM      0
QS_BEDROOM       0
QS_OVERALL       0
REG_FEE          0
COMMIS           0
SALES_PRICE      0
dtype: int64
```

```
# N_Bathroom  having  5 null Replace as 0 null
df['N_BATHROOM'].fillna(2,inplace=True)
df['N_BATHROOM']
df.isna().sum()
```

```
    PRT_ID          0
    AREA            0
    INT_SQFT        0
    DATE_SALE       0
    DIST_MAINROAD   0
    N_BEDROOM       1
    N_BATHROOM      0
    N_ROOM          0
    SALE_COND       0
    PARK_FACIL      0
    DATE_BUILD      0
    BUILDTYPE       0
    UTILITY_AVAIL   0
    STREET          0
    MZZONE          0
    QS_ROOMS        0
    QS_BATHROOM     0
    QS_BEDROOM      0
    QS_OVERALL      0
    REG_FEE         0
    COMMIS          0
    SALES_PRICE     0
    dtype: int64
```

```
#N_BEDRoom having one null

df['N_BEDROOM'].fillna('Not Given',inplace=True)
df.isna().sum()

# No Null values
```

```
    PRT_ID          0
    AREA            0
    INT_SQFT        0
    DATE_SALE       0
    DIST_MAINROAD   0
    N_BEDROOM       0
    N_BATHROOM      0
    N_ROOM          0
    SALE_COND       0
    PARK_FACIL      0
    DATE_BUILD      0
    BUILDTYPE       0
    UTILITY_AVAIL   0
    STREET          0
    MZZONE          0
    QS_ROOMS        0
    QS_BATHROOM     0
    QS_BEDROOM      0
    QS_OVERALL      0
    REG_FEE         0
    COMMIS          0
    SALES_PRICE     0
    dtype: int64
```

```
#Correct table and save to new CSV files
Train = df.to_csv("Train.csv")
Train
```