

```
In [1]: #import supporting Libraries
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
import re
```

```
In [2]: # read the data from Local drive
data = pd.read_csv("d:/MyFiles/GitHub_Repository/gpname with mandal.csv")
```

```
In [3]: # view the data upto 5 rows by using head function
data.head()
```

```
Out[3]: gp name with mandal
```

```
0 Keshanapalli of Mutharam
1 Mallepalli of Manthani
2 Kasulapalli\nof Peddapalli
3 Somanpalli of Anthergaon
4 Lonkakesaram of Ramagiri
```

```
In [4]: #view dimensions of data
data.shape
```

```
Out[4]: (263, 1)
```

```
In [5]: data.ndim
```

```
Out[5]: 2
```

```
In [6]: data.size
```

```
Out[6]: 263
```

```
In [7]: print(data)
```

```
gp name with mandal
0      Keshanapalli of Mutharam
1      Mallepalli of Manthani
2      Kasulapalli\nof Peddapalli
3      Somanpalli of Anthergaon
4      Lonkakesaram of Ramagiri
...
258   Gadalapalli Of Manthani Mandal
259   Potharam of Mutharam
260   Parupalli of Mutharam
261   Nagepalli of Manthani
262   Ramulapalli of Eligaid
```

[263 rows x 1 columns]

```
In [8]: # Set the maximum number of rows displayed to 100
pd.set_option('display.max_rows', 263)
```

```
In [9]: print(data)
```

	gp name with mandal
0	Keshanapalli of Mutharam
1	Mallepalli of Manthani
2	Kasulapalli\nof Peddapalli
3	Somanpalli of Anthergaon
4	Lonkakesaram of Ramagiri
5	Battupalli of Manthani
6	Dubbapalli of Manthani
7	Potharam of Manthani
8	Palitham of Peddapalli
9	Devunipalli of Peddapalli
10	Rajapur of Ramagiri
11	Odedu of Mutharam
12	Peddampet of Anthergaon
13	Narayanapalli of Eligaid
14	GP Lakkaram\nMPP Mutharam
15	Kapulapalli of Peddapalli
16	Nagepalli of Ramagiri
17	Begumpet of Ramagiri
18	Kothapalli of Palakurthi
19	Madaka of Odela
20	Kunaram of Srirampur
21	Eklaspur of Anthergoan
22	Kurmapalli \nMandal Peddapalli
23	Medaram of Dharmaram
24	Budhavarampet of Ramagiri
25	Vennampalli of Srirampur
26	Kannala of Palakurthi Mandal
27	Kachapur of Julapalli Mandal
28	Julapalli of Julapalli Mandal
29	Regadamaddikunta of Sulthanabad
30	Potyala of Anthergoam Mandal
31	Nittoor of Peddapalli Mandal
32	Peddapur of Julapalli
33	Chillapalli of Manthani
34	Kummarikunta\nof Julapalli
35	Bhittupalli of Manthani
36	Sambaiahpalli of Sulthanabad
37	Gollapalli of Sulthanabad
38	Bonthakuntapalli of Sulthanabad
39	Mulasala\nof Peddapalli
40	Esalathakkallapalli of Palakurthi
41	Kanukula of Sulthanabad
42	Madipalli Colony of Srirampur
43	Kistampet of Srirampur
44	Konaraopeta of Julapalli
45	Naryanraopalli of Sulthanabad
46	Venkatapur of Manthani
47	Pandilla of Srirampur
48	Gopaiahpalli\nof Peddapalli
49	Balarajpalli\nof Julapalli
50	Brahmanpalli of Anthergaon
51	Maidupalli of Manthani
52	Dharmaram of Dharmaram
53	Komira of Odela
54	Bhojannapeta\nof Peddapalli

55 Kothapally of Dharmaram  
56 Basanthnagar of Palakurthi  
57 Goureddypeta\nof Peddapalli  
58 Gumnoor of Manthani  
59 Mutharam\nof Mutharam  
60 Chinaodela of Manthani  
61 Ramaraopalli of Palakurthi  
62 Nagarampalli of Manthani  
63 Ramaiahpalli of Dharmaram  
64 Undeda of Palakurthi  
65 Akenapalli of Anthergaon  
66 Appannapeta\nof Peddapalli  
67 Guntoorpalli of Palakurthi  
68 Adivarampet of Ramagiri  
69 Nayakampally of Dharmaram  
70 Kothapalli (New) of Dharmaram  
71 Adavisrirampur \nof Mutharam  
72 Reginedu\nof Peddapalli  
73 Maredupalli of Palakurthi  
74 Mangapeta of Srirampur  
75 Mallapur of Dharmaram  
76 Gudipalli of Palakurthi  
77 Daryapur\nof Mutharam  
78 Cheemalapeta\nof Julapalli  
79 Peddampet of Srirampur  
80 Maddiryala of Anthergaon  
81 Thurukalamaddikunta\nof Peddapalli  
82 Dubbapalli of Sulthanabad  
83 Rachapalli of Manthani  
84 G.P. Kakarlapalli of Manthani  
85 GP Andugulapalli\nMandal Peddapalli  
86 GP Beemarapally\nMPP Odela  
87 Ippalapalli of Srirampur  
88 Telukunta of Julapalli  
89 Perapalli of Kamanpur  
90 Haripuram of Odela  
91 Rachapalli of Dharmaram  
92 Ramunipalli of Sulthanabad  
93 Vemnoor of Palakurthi  
94 Gopalraopet of Dharmaram  
95 Shivapalli of Eligaid  
96 Upparapally of Odela  
97 Chandanapur of Ramagiri  
98 Rompikunta of Kamanpur  
99 Suraiahpalli of Manthani  
100 Hanumanthunipeta \nof Peddapalli  
101 Mallaram of Manthani  
102 Nimmannapalli of Peddapalli  
103 Garrepalli of Sulthanabad  
104 Narsingapur of Dharmaram  
105 Eligaid of Eligaid  
106 Khanapur of Manthani  
107 Lokapeta of Eligaid  
108 Pannur of Ramagiri  
109 Gudem of Odela  
110 Pegadapalli of Srirampur

111 Devunipalli of Sulthanabad  
112 Vilochavaram of Manthani  
113 Kodurupaka of Sulthanabad  
114 Burhanmiyapet of Eligaid  
115 Lambadithanda (B) of Dharmaram  
116 Brahmanpalli of Peddapalli  
117 Mirzampet of Srirampur  
118 Edulapur of Srirampur  
119 Neerukulla of Sulthanabad  
120 Miyapur of Sulthanabad  
121 Banjerupalli of dharmaram  
122 Chamanapalli of Dharmaram  
123 Narsapur of Eligaid  
124 Kanagarathi of Peddapalli  
125 Jeelakunta of Odela  
126 Uppatla of Manthani  
127 Motlapalli of Srirampur  
128 Maredugonda of Peddapalli  
129 Chinnarathpalli of Srirampur  
130 Perkapalli of Dharmaram  
131 Venkatraopalli of Julapalli  
132 Mustyala of Ramagiri  
133 Peddakalvala of Peddapalli  
134 Julapalli of Kamanpur  
135 Nagaram of Manthani  
136 Putnoor of Palakurthi  
137 Bamlanayakthanda of Palakurthi  
138 Palakurthy of Palakurthi  
139 Sundilla of Ramagiri  
140 Areppalli of Srirampur  
141 Yellampalli of Anthergaon  
142 Kolanur of Odela  
143 Adavisomanpalli of Manthani  
144 Chinnabonkur of Sulthanabad  
145 Ashannapalli of Srirampur  
146 Peddabonkur of Peddapalli  
147 Gattepalli of Sulthanabad  
148 Cheekurai of Peddapalli  
149 Jallaram of Ramagiri  
150 Kannala of Manthani  
151 Arenda of Manthani  
152 Gundlapalli of Odela  
153 Erraguntapalli of \nDharmaram  
154 Gopalpur of Manthani  
155 Roopnaraynapet of Odela  
156 Nagaram of Kamanpur  
157 Gundaram of Kamanpur  
158 Maidambanda of Mutharam  
159 Sabbitham of Peddapalli  
160 Bestapalli of Manthani  
161 Eklaspur of Manthani  
162 Seethampeta of Mutharam  
163 Bhupathipur of Sulthanabad  
164 Mutharam \nof Peddapalli  
165 Nawabpet of Ramagiri  
166 GP Malyala of Srirampur Mandal

167 Puttapaka of Manthani  
168 Chinnakalvala of Sulthanabad  
169 GP Sayampet of Dharmaram  
170 GP Narsimhulapally of Dharmaram  
171 Allipur of Sulthanabad  
172 Abbidipally\nMPP Odela  
173 GP Buchaiahpalli of Dharmaram  
174 Ranapur of Palakurthi  
175 Bompalli of Peddapalli Mandal  
176 TTs Anthargoan of Anthergaon  
177 Akkepalli of Manthani  
178 Manchirami of Sulthanabad Mandal  
179 Goparapalli of Odela  
180 Jayyaram of Palakurthi  
181 Nagulapalli\nMPP Julapalli  
182 GP Paidichintalapalli of Dharmaram  
183 Kukkalagudur of Palakurthi  
184 SHANAGONDA\nMPP Odela  
185 Keechulatapalli of Julapalli  
186 Bommareddipalli of Dharmaram  
187 Lalapalli of Eligaid  
188 Ghanshyamdas Nagar of Palakurthi  
189 Murmoor of Anthergaon  
190 Narsaiahpalli of Sulthanabad  
191 Gurrampalli \nMandal Peddapalli  
192 GP Khilavanaparthi of Dharmaram  
193 Gajulapalli of Manthani  
194 GP Haripuram\nMPP Mutharam  
195 Rayadandi of Anthergaon  
196 Laxmipur of Srirampur  
197 Lakkepur of Manthani  
198 Pittalayellaiahpalli of Odela  
199 Siddipalli of Kamanpur  
200 GP Machupeta\nMPP Mutharam  
201 Lambadithanda K of Dharmaram  
202 Gumpula of \nOdela  
203 Goliwada of Anthergaon  
204 Ankampalli of Srirampur  
205 Jafferkhanpet of Srirampur  
206 Elkalapalli of Palakurthi  
207 Naryanpur of Sulthanabad  
208 Penchikalpet of Kamanpur  
209 Dhulikatta of Eligaid  
210 Odela of Odela  
211 Peddarathpalli of Srirampur  
212 Kandunooripalli of Sulthanabad  
213 Gunjapadugu of Manthani  
214 Suddala of Sulthanabad  
215 Namsanipalli of Odela  
216 Khanampalli of Dharmaram  
217 Muppirthota of Eligaid  
218 Botlavanaparthi of Dharmaram  
219 Katnapalli of Sulthanabad  
220 Thoggarai of Sulthanabad  
221 Raghavapoort of Peddapalli  
222 Gangaram of Srirampur

223	Kammarkhanpet of Dharmaram
224	Ladnapur of Ramagiri
225	Kalwacherla of Ramagiri
226	Itharajpalli of Sulthanabad
227	Kothur of Dharmaram
228	Wadkapur of Julapalli
229	Kothapalli of Peddapalli
230	Kadambapur of Sulthanabad
231	Anthergaon of Anthergoan
232	Tharupalli of Srirampur
233	Elakalapalligate of Palakurthi
234	Rampalli of Peddapalli
235	GP Venkatraopalli of Ramagiri
236	Kanagarthi of Odela
237	Lingapur of Anthergoan
238	Srirampur of Srirampur
239	Rangapur of Peddapalli
240	G.P. Lakkepur of Manthani
241	Ratnapur of Ramagiri
242	Katikenapalli of Dharmaram
243	Khansabpet of Manthani
244	Bayammappalli of Odela
245	POTHKAPALLY\nMPP Odela
246	Sulthanpur of Eligaid
247	GP Pathipaka of Dharmaram
248	Esampet of Anthergoan
249	Gollapalli of Kamanpur
250	Indurthi of Odela
251	GP Munjampalli,MPP Palakurthi
252	Khammampalli of \nMutharam
253	Kundanapalli of Anthergaon
254	Madipalli of Srirampur
255	Abbapur of \nJulapalli
256	Ramulapalli of Eligaid
257	Rakaldevpalli of Eligaid
258	Gadalapalli Of Manthani Mandal
259	Potharam of Mutharam
260	Parupalli of Mutharam
261	Nagepalli of Manthani
262	Ramulapalli of Eligaid

```
In [10]: #split the text into two new columns
data['gp name with mandal'].str.split(" of ")
```

```
Out[10]: 0 [Keshanapalli, Mutharam]
1 [Mallepalli, Manthani]
2 [Kasulapalli\nof Peddapalli]
3 [Somanpalli, Anthergaon]
4 [Lonkakesaram, Ramagiri]
5 [Battupalli, Manthani]
6 [Dubbapalli, Manthani]
7 [Potharam, Manthani]
8 [Palitham, Peddapalli]
9 [Devunipalli, Peddapalli]
10 [Rajapur, Ramagiri]
11 [Odedu, Mutharam]
12 [Peddampet, Anthergaon]
13 [Narayananpalli, Eligaid]
14 [GP Lakkaram\nMPP Mutharam]
15 [Kapulapalli, Peddapalli]
16 [Nagepalli, Ramagiri]
17 [Begumpet, Ramagiri]
18 [Kothapalli, Palakurthi]
19 [Madaka, Odela]
20 [Kunaram, Srirampur]
21 [Eklaspur, Anthergoan]
22 [Kurmapalli \nMandal Peddapalli]
23 [Medaram, Dharmaram]
24 [Budhavarampet, Ramagiri]
25 [Vennampalli, Srirampur]
26 [Kannala, Palakurthi Mandal]
27 [Kachapur, Julapalli Mandal]
28 [Julapalli, Julapalli Mandal]
29 [Regadamaddikunta, Sulthanabad]
30 [Potyala, Anthergoam Mandal]
31 [Nittoor, Peddapalli Mandal]
32 [Peddapur, Julapalli]
33 [Chillapalli, Manthani]
34 [Kummarikunta\nof Julapalli]
35 [Bhittupalli, Manthani]
36 [Sambaiahpalli, Sulthanabad]
37 [Gollapalli, Sulthanabad]
38 [Bonthakuntapalli, Sulthanabad]
39 [Mulasala\nof Peddapalli]
40 [Esalathakkallapalli, Palakurthi]
41 [Kanukula, Sulthanabad]
42 [Madipalli Colony, Srirampur]
43 [Kistampet, Srirampur]
44 [Konaraopeta, Julapalli]
45 [Naryanraopalli, Sulthanabad]
46 [Venkatapur, Manthani]
47 [Pandilla, Srirampur]
48 [Gopaiahpalli\nof Peddapalli]
49 [Balarajpalli\nof Julapalli]
50 [Brahmanpalli, Anthergaon]
51 [Maidupalli, Manthani]
52 [Dharmaram, Dharmaram]
53 [Komira, Odela]
54 [Bhojannapeta\nof Peddapalli]
55 [Kothapally, Dharmaram]
```

56 [Basanthnagar, Palakurthi]  
57 [Goureddypeta\nof Peddapalli]  
58 [Gumnoor, Manthani]  
59 [Mutharam\nof Mutharam]  
60 [Chinaodela, Manthani]  
61 [Ramaraopalli, Palakurthi]  
62 [Nagarampalli, Manthani]  
63 [Ramaiahpalli, Dharmaram]  
64 [Undeda, Palakurthi]  
65 [Akenapalli, Anthergaon]  
66 [Appannapeta\nof Peddapalli]  
67 [Guntoorpalli, Palakurthi]  
68 [Adivarampet, Ramagiri]  
69 [Nayakampally, Dharmaram]  
70 [Kothapalli (New), Dharmaram]  
71 [Adavisrirampur \nof Mutharam]  
72 [Reginedu\nof Peddapalli]  
73 [Maredupalli, Palakurthi]  
74 [Mangapeta, Srirampur]  
75 [Mallapur, Dharmaram]  
76 [Gudipalli, Palakurthi]  
77 [Daryapur\nof Mutharam]  
78 [Cheemalapeta\nof Julapalli]  
79 [Peddampet, Srirampur]  
80 [Maddiryala, Anthergaon]  
81 [Thurukalamaddikunta\nof Peddapalli]  
82 [Dubbapalli, Sulthanabad]  
83 [Rachapalli, Manthani]  
84 [G.P. Kakarlapalli, Manthani]  
85 [GP Andugulapalli\nMandal Peddapalli]  
86 [GP Beemarapally\nMPP Odela]  
87 [Ippalapalli, Srirampur]  
88 [Telukunta, Julapalli]  
89 [Perapalli, Kamanpur]  
90 [Haripuram, Odela]  
91 [Rachapalli, Dharmaram]  
92 [Ramunipalli, Sulthanabad]  
93 [Vemnoor, Palakurthi]  
94 [Gopalraopet, Dharmaram]  
95 [Shivapalli, Eligaid]  
96 [Upparapally, Odela]  
97 [Chandanapur, Ramagiri]  
98 [Rompikunta, Kamanpur]  
99 [Suraiyahpalli, Manthani]  
100 [Hanumanthunipeta \nof Peddapalli]  
101 [Mallaram, Manthani]  
102 [Nimmannapalli, Peddapalli]  
103 [Garrepalli, Sulthanabad]  
104 [Narsingapur, Dharmaram]  
105 [Eligaid, Eligaid]  
106 [Khanapur, Manthani]  
107 [Lokapeta, Eligaid]  
108 [Pannur, Ramagiri]  
109 [Gudem, Odela]  
110 [Pegadapalli, Srirampur]  
111 [Devunipalli, Sulthanabad]

112 [Vilochavaram, Manthani]  
113 [Kodurupaka, Sulthanabad]  
114 [Burhanmiyapet, Eligaid]  
115 [Lambadithanda (B), Dharmaram]  
116 [Brahmanpalli, Peddapalli]  
117 [Mirzampet, Srirampur]  
118 [Edulapur, Srirampur]  
119 [Neerukulla, Sulthanabad]  
120 [Miyapur, Sulthanabad]  
121 [Banjerupalli, dharmaram]  
122 [Chamanapalli, Dharmaram]  
123 [Narsapur, Eligaid]  
124 [Kanagarathi, Peddapalli]  
125 [Jeelakunta, Odela]  
126 [Uppatla, Manthani]  
127 [Motlapalli, Srirampur]  
128 [Maredugonda, Peddapalli]  
129 [Chinnarathpalli, Srirampur]  
130 [Perkapalli, Dharmaram]  
131 [Venkatraopalli, Julapalli]  
132 [Mustyala, Ramagiri]  
133 [Peddakalvala, Peddapalli]  
134 [Julapalli, Kamanpur]  
135 [Nagaram, Manthani]  
136 [Putnoor, Palakurthi]  
137 [Bamlanayakthanda, Palakurthi]  
138 [Palakurthy, Palakurthi]  
139 [Sundilla, Ramagiri]  
140 [Arepalli, Srirampur]  
141 [Yellampalli, Anthergaon]  
142 [Kolanur, Odela]  
143 [Adavisomanpalli, Manthani]  
144 [Chinnabonkur, Sulthanabad]  
145 [Ashannapalli, Srirampur]  
146 [Peddabonkur, Peddapalli]  
147 [Gattepalli, Sulthanabad]  
148 [Cheekurai, Peddapalli]  
149 [Jallaram, Ramagiri]  
150 [Kannala, Manthani]  
151 [Arenda, Manthani]  
152 [Gundlapalli, Odela]  
153 [Erraguntapalli, \nDharmaram]  
154 [Gopalpur, Manthani]  
155 [Roopnaraynapet, Odela]  
156 [Nagaram, Kamanpur]  
157 [Gundaram, Kamanpur]  
158 [Maidambanda, Mutharam]  
159 [Sabbitham, Peddapalli]  
160 [Bestapalli, Manthani]  
161 [Eklaspur, Manthani]  
162 [Seethampeta, Mutharam]  
163 [Bhupathipur, Sulthanabad]  
164 [Mutharam \nof Peddapalli]  
165 [Nawabpet, Ramagiri]  
166 [GP Malyala, Srirampur Mandal]  
167 [Puttapaka, Manthani]

168 [Chinnakalvala, Sulthanabad]  
169 [GP Sayampet, Dharmaram]  
170 [GP Narsimhulapally, Dharmaram]  
171 [Allipur, Sulthanabad]  
172 [Abbidipally\nMPP Odela]  
173 [GP Buchaiahpalli, Dharmaram]  
174 [Ranapur, Palakurthi]  
175 [Bompalli, Peddapalli Mandal]  
176 [TTs Anthargoan, Anthergaon]  
177 [Akkepalli, Manthani]  
178 [Manchirami, Sulthanabad Mandal]  
179 [Goparapalli, Odela]  
180 [Jayyaram, Palakurthi]  
181 [Nagulapalli\nMPP Julapalli]  
182 [GP Paidichintalapalli, Dharmaram]  
183 [Kukkalagudur, Palakurthi]  
184 [SHANAGONDA\nMPP Odela]  
185 [Keechulatapalli, Julapalli]  
186 [Bommareddipalli, Dharmaram]  
187 [Lalapalli, Eligaid]  
188 [Ghanshyamdas Nagar, Palakurthi]  
189 [Murmoor, Anthergaon]  
190 [Narsaiahpalli, Sulthanabad]  
191 [Gurrampalli \nMandal Peddapalli]  
192 [GP Khilavanaparthi, Dharmaram]  
193 [Gajulapalli, Manthani]  
194 [GP Haripuram\nMPP Mutharam]  
195 [Rayadandi, Anthergaon]  
196 [Laxmipur, Srirampur]  
197 [Lakkepur, Manthani]  
198 [Pittalayellaiahpalli, Odela]  
199 [Siddipalli, Kamanpur]  
200 [GP Machupeta\nMPP Mutharam]  
201 [Lambadithanda K, Dharmaram]  
202 [Gumpula, \nOdela]  
203 [Goliwada, Anthergoan]  
204 [Ankampalli, Srirampur]  
205 [Jafferkhapat, Srirampur]  
206 [Elkalapalli, Palakurthi]  
207 [Naryanpur, Sulthanabad]  
208 [Penchikalpet, Kamanpur]  
209 [Dhulikatta, Eligaid]  
210 [Odela, Odela]  
211 [Peddarathpalli, Srirampur]  
212 [Kandunooripalli, Sulthanabad]  
213 [Gunjapadugu, Manthani]  
214 [Suddala, Sulthanabad]  
215 [Namsnipalli, Odela]  
216 [Khanampalli, Dharmaram]  
217 [Muppirithota, Eligaid]  
218 [Botlavanaparthi, Dharmaram]  
219 [Katnapalli, Sulthanabad]  
220 [Thoggarai, Sulthanabad]  
221 [Raghavapoor, Peddapalli]  
222 [Gangaram, Srirampur]  
223 [Kammarkhanpet, Dharmaram]

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224 [Ladhapur, Ramagiri]
225 [Kalwacherla, Ramagiri]
226 [Itharajpalli, Sulthanabad]
227 [Kothur, Dharmaram]
228 [Wadkapur, Julapalli]
229 [Kothapalli, Peddapalli]
230 [Kadambapur, Sulthanabad]
231 [Anthergaon, Anthergoan]
232 [Tharupalli, Srirampur]
233 [Elakalapalligate, Palakurthi]
234 [Rampalli, Peddapalli]
235 [GP Venkatraopalli, Ramagiri]
236 [Kanagarthi, Odela]
237 [Lingapur, Anthergoan]
238 [Srirampur, Srirampur]
239 [Rangapur, Peddapalli]
240 [G.P. Lakkepur, Manthani]
241 [Ratnapur, Ramagiri]
242 [Katikenapalli, Dharmaram]
243 [Khansabpet, Manthani]
244 [Bayammapalli, Odela]
245 [POTHKAPALLY\nMPP Odela]
246 [Sulthanpur, Eligaid]
247 [GP Pathipaka, Dharmaram]
248 [Esampet, Anthergoan]
249 [Gollapalli, Kamanpur]
250 [Indurthi, Odela]
251 [GP Munjampalli,MPP Palakurthi]
252 [Khammampalli, \nMutharam]
253 [Kundanapalli, Anthergaon]
254 [Madipalli, Srirampur]
255 [Abbapur, \nJulapalli]
256 [Ramulapalli, Eligaid]
257 [Rakaldevpalli, Eligaid]
258 [Gadalapalli Of Manthani Mandal]
259 [Potharam, Mutharam]
260 [Parupalli, Mutharam]
261 [Nagepalli, Manthani]
262 [Ramulapalli, Eligaid]

```

Name: gp name with mandal, dtype: object

```
In [11]: data[['GP_NAME','MANDAL_NAME']] = data['gp name with mandal'].str.split(" of ")
```

```
-----
ValueError                                Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_22024\3053137470.py in ?()
----> 1 data[['GP_NAME','MANDAL_NAME']] = data['gp name with mandal'].str.split(" of ")

~\anaconda3\Lib\site-packages\pandas\core\frame.py in ?(self, key, value)
    4295
    4296      if isinstance(key, DataFrame) or getattr(key, "ndim", None) == 2:
    4297          self._setitem_frame(key, value)
    4298      elif isinstance(key, (Series, np.ndarray, list, Index)):
-> 4299          self._setitem_array(key, value)
    4300      elif isinstance(value, DataFrame):
    4301          self._set_item_frame_value(key, value)
    4302      elif (
    4303
~\anaconda3\Lib\site-packages\pandas\core\frame.py in ?(self, key, value)
    4354          value = DataFrame(value).values
    4355          return self._setitem_array(key, value)
    4356
    4357      else:
-> 4358          self._iset_not_inplace(key, value)
    4359
~\anaconda3\Lib\site-packages\pandas\core\frame.py in ?(self, key, value)
    4373          return obj[i]
    4374
    4375      if self.columns.is_unique:
    4376          if np.shape(value)[-1] != len(key):
-> 4377              raise ValueError("Columns must be same length as key")
    4378
    4379      for i, col in enumerate(key):
    4380          self[col] = igetitem(value, i)

ValueError: Columns must be same length as key
```

In [12]: `data[['GP_NAME','MANDAL_NAME']] = data['gp name with mandal'].str.split(" of ", expand=True)`

In [13]: `print(data)`

	gp name with mandal	GP_NAME \
0	Keshanapalli of Mutharam	Keshanapalli
1	Mallepalli of Manthani	Mallepalli
2	Kasulapalli\nof Peddapalli	Kasulapalli\nof Peddapalli
3	Somanpalli of Anthergaon	Somanpalli
4	Lonkakesaram of Ramagiri	Lonkakesaram
5	Battupalli of Manthani	Battupalli
6	Dubbapalli of Manthani	Dubbapalli
7	Potharam of Manthani	Potharam
8	Palitham of Peddapalli	Palitham
9	Devunipalli of Peddapalli	Devunipalli
10	Rajapur of Ramagiri	Rajapur
11	Odedu of Mutharam	Odedu
12	Peddampet of Anthergaon	Peddampet
13	Narayanapalli of Eligaid	Narayanapalli
14	GP Lakkaram\nMPP Mutharam	GP Lakkaram\nMPP Mutharam
15	Kapulapalli of Peddapalli	Kapulapalli
16	Nagepalli of Ramagiri	Nagepalli
17	Begumpet of Ramagiri	Begumpet
18	Kothapalli of Palakurthi	Kothapalli
19	Madaka of Odela	Madaka
20	Kunaram of Srirampur	Kunaram
21	Eklaspur of Anthergoan	Eklaspur
22	Kurmapalli \nMandal Peddapalli	Kurmapalli \nMandal Peddapalli
23	Medaram of Dharmaram	Medaram
24	Budhavarampet of Ramagiri	Budhavarampet
25	Vennampalli of Srirampur	Vennampalli
26	Kannala of Palakurthi Mandal	Kannala
27	Kachapur of Julapalli Mandal	Kachapur
28	Julapalli of Julapalli Mandal	Julapalli
29	Regadamaddikunta of Sulthanabad	Regadamaddikunta
30	Potyala of Anthergoam Mandal	Potyala
31	Nittoor of Peddapalli Mandal	Nittoor
32	Peddapur of Julapalli	Peddapur
33	Chillapalli of Manthani	Chillapalli
34	Kummarikunta\nof Julapalli	Kummarikunta\nof Julapalli
35	Bhittupalli of Manthani	Bhittupalli
36	Sambaiahpalli of Sulthanabad	Sambaiahpalli
37	Gollapalli of Sulthanabad	Gollapalli
38	Bonthakuntapalli of Sulthanabad	Bonthakuntapalli
39	Mulasala\nof Peddapalli	Mulasala\nof Peddapalli
40	Esalathakkallapalli of Palakurthi	Esalathakkallapalli
41	Kanukula of Sulthanabad	Kanukula
42	Madipalli Colony of Srirampur	Madipalli Colony
43	Kistampet of Srirampur	Kistampet
44	Konaraopeta of Julapalli	Konaraopeta
45	Naryanraopalli of Sulthanabad	Naryanraopalli
46	Venkatapur of Manthani	Venkatapur
47	Pandilla of Srirampur	Pandilla
48	Gopaiahpalli\nof Peddapalli	Gopaiahpalli\nof Peddapalli
49	Balarajpalli\nof Julapalli	Balarajpalli\nof Julapalli
50	Brahmanpalli of Anthergaon	Brahmanpalli
51	Maidupalli of Manthani	Maidupalli
52	Dharmaram of Dharmaram	Dharmaram
53	Komira of Odela	Komira
54	Bhojannapeta\nof Peddapalli	Bhojannapeta\nof Peddapalli

55	Kothapally of Dharmaram	Kothapally
56	Basanthnagar of Palakurthi	Basanthnagar
57	Goureddypeta\nof Peddapalli	Goureddypeta\nof Peddapalli
58	Gumnoor of Manthani	Gumnoor
59	Mutharam\nof Mutharam	Mutharam\nof Mutharam
60	Chinaodela of Manthani	Chinaodela
61	Ramaraopalli of Palakurthi	Ramaraopalli
62	Nagarampalli of Manthani	Nagarampalli
63	Ramaiahpalli of Dharmaram	Ramaiahpalli
64	Undeda of Palakurthi	Undeda
65	Akenapalli of Anthergaon	Akenapalli
66	Appannapeta\nof Peddapalli	Appannapeta\nof Peddapalli
67	Guntoorpalli of Palakurthi	Guntoorpalli
68	Adivarampet of Ramagiri	Adivarampet
69	Nayakampally of Dharmaram	Nayakampally
70	Kothapalli (New) of Dharmaram	Kothapalli (New)
71	Adavisrirampur \nof Mutharam	Adavisrirampur \nof Mutharam
72	Reginedu\nof Peddapalli	Reginedu\nof Peddapalli
73	Maredupalli of Palakurthi	Maredupalli
74	Mangapeta of Srirampur	Mangapeta
75	Mallapur of Dharmaram	Mallapur
76	Gudipalli of Palakurthi	Gudipalli
77	Daryapur\nof Mutharam	Daryapur\nof Mutharam
78	Cheemalapeta\nof Julapalli	Cheemalapeta\nof Julapalli
79	Peddampet of Srirampur	Peddampet
80	Maddiryala of Anthergaon	Maddiryala
81	Thurukalamaddikunta\nof Peddapalli	Thurukalamaddikunta\nof Peddapalli
82	Dubbapalli of Sulthanabad	Dubbapalli
83	Rachapalli of Manthani	Rachapalli
84	G.P. Kakarlapalli of Manthani	G.P. Kakarlapalli
85	GP Andugulapalli\nMandal Peddapalli	GP Andugulapalli\nMandal Peddapalli
86	GP Beemarapally\nMPP Odela	GP Beemarapally\nMPP Odela
87	Ippalapalli of Srirampur	Ippalapalli
88	Telukunta of Julapalli	Telukunta
89	Perapalli of Kamanpur	Perapalli
90	Hariapuram of Odela	Hariapuram
91	Rachapalli of Dharmaram	Rachapalli
92	Ramunipalli of Sulthanabad	Ramunipalli
93	Vemnoor of Palakurthi	Vemnoor
94	Gopalraopet of Dharmaram	Gopalraopet
95	Shivapalli of Eligaid	Shivapalli
96	Upparapally of Odela	Upparapally
97	Chandanapur of Ramagiri	Chandanapur
98	Rompikunta of Kamanpur	Rompikunta
99	Suraiahpalli of Manthani	Suraiahpalli
100	Hanumanthunipeta \nof Peddapalli	Hanumanthunipeta \nof Peddapalli
101	Mallaram of Manthani	Mallaram
102	Nimmannapalli of Peddapalli	Nimmannapalli
103	Garrepalli of Sulthanabad	Garrepalli
104	Narsingapur of Dharmaram	Narsingapur
105	Eligaid of Eligaid	Eligaid
106	Khanapur of Manthani	Khanapur
107	Lokapeta of Eligaid	Lokapeta
108	Pannur of Ramagiri	Pannur
109	Gudem of Odela	Gudem
110	Pegadapalli of Srirampur	Pegadapalli

111	Devunipalli of Sulthanabad	Devunipalli
112	Vilochavaram of Manthani	Vilochavaram
113	Kodurupaka of Sulthanabad	Kodurupaka
114	Burhanmiyapet of Eligaid	Burhanmiyapet
115	Lambadithanda (B) of Dharmaram	Lambadithanda (B)
116	Brahmanpalli of Peddapalli	Brahmanpalli
117	Mirzampet of Srirampur	Mirzampet
118	Edulapur of Srirampur	Edulapur
119	Neerukulla of Sulthanabad	Neerukulla
120	Miyapur of Sulthanabad	Miyapur
121	Banjerupalli of dharmaram	Banjerupalli
122	Chamanapalli of Dharmaram	Chamanapalli
123	Narsapur of Eligaid	Narsapur
124	Kanagarthi of Peddapalli	Kanagarthi
125	Jeelakunta of Odela	Jeelakunta
126	Uppatla of Manthani	Uppatla
127	Motlapalli of Srirampur	Motlapalli
128	Maredugonda of Peddapalli	Maredugonda
129	Chinnarathpalli of Srirampur	Chinnarathpalli
130	Perkapalli of Dharmaram	Perkapalli
131	Venkatraopalli of Julapalli	Venkatraopalli
132	Mustyala of Ramagiri	Mustyala
133	Peddakalvala of Peddapalli	Peddakalvala
134	Julapalli of Kamanpur	Julapalli
135	Nagaram of Manthani	Nagaram
136	Putnoor of Palakurthi	Putnoor
137	Bamlanayakthanda of Palakurthi	Bamlanayakthanda
138	Palakurthy of Palakurthi	Palakurthy
139	Sundilla of Ramagiri	Sundilla
140	Arepalli of Srirampur	Arepalli
141	Yellampalli of Anthergaon	Yellampalli
142	Kolanur of Odela	Kolanur
143	Adavisomanpalli of Manthani	Adavisomanpalli
144	Chinnabonkur of Sulthanabad	Chinnabonkur
145	Ashannapalli of Srirampur	Ashannapalli
146	Peddabonkur of Peddapalli	Peddabonkur
147	Gattepalli of Sulthanabad	Gattepalli
148	Cheekurai of Peddapalli	Cheekurai
149	Jallaram of Ramagiri	Jallaram
150	Kannala of Manthani	Kannala
151	Arenda of Manthani	Arenda
152	Gundlapalli of Odela	Gundlapalli
153	Erraguntapalli of \nDharmaram	Erraguntapalli
154	Gopalpur of Manthani	Gopalpur
155	Roopnaraynapet of Odela	Roopnaraynapet
156	Nagaram of Kamanpur	Nagaram
157	Gundaram of Kamanpur	Gundaram
158	Maidambanda of Mutharam	Maidambanda
159	Sabbitham of Peddapalli	Sabbitham
160	Bestapalli of Manthani	Bestapalli
161	Eklaspur of Manthani	Eklaspur
162	Seethampeta of Mutharam	Seethampeta
163	Bhupathipur of Sulthanabad	Bhupathipur
164	Mutharam \nof Peddapalli	Mutharam \nof Peddapalli
165	Nawabpet of Ramagiri	Nawabpet
166	GP Malyala of Srirampur Mandal	GP Malyala

167	Puttapaka of Manthani	Puttapaka
168	Chinnakalvala of Sulthanabad	Chinnakalvala
169	GP Sayampet of Dharmaram	GP Sayampet
170	GP Narsimhulapally of Dharmaram	GP Narsimhulapally
171	Allipur of Sulthanabad	Allipur
172	Abbidipally\nMPP Odela	Abbidipally\nMPP Odela
173	GP Buchaiahpalli of Dharmaram	GP Buchaiahpalli
174	Ranapur of Palakurthi	Ranapur
175	Bompalli of Peddapalli Mandal	Bompalli
176	TTs Anthargoan of Anthergaoan	TTs Anthargoan
177	Akkepalli of Manthani	Akkepalli
178	Manchirami of Sulthanabad Mandal	Manchirami
179	Goparapalli of Odela	Goparapalli
180	Jayyaram of Palakurthi	Jayyaram
181	Nagulapalli\nMPP Julapalli	Nagulapalli\nMPP Julapalli
182	GP Paidichintalapalli of Dharmaram	GP Paidichintalapalli
183	Kukkalagudur of Palakurthi	Kukkalagudur
184	SHANAGONDA\nMPP Odela	SHANAGONDA\nMPP Odela
185	Keechulatapalli of Julapalli	Keechulatapalli
186	Bommareddipalli of Dharmaram	Bommareddipalli
187	Lalapalli of Eligaid	Lalapalli
188	Ghanshyamdas Nagar of Palakurthi	Ghanshyamdas Nagar
189	Murmoor of Anthergaoan	Murmoor
190	Narsaiahpalli of Sulthanabad	Narsaiahpalli
191	Gurrampalli \nMandal Peddapalli	Gurrampalli \nMandal Peddapalli
192	GP Khilavanaparthi of Dharmaram	GP Khilavanaparthi
193	Gajulapalli of Manthani	Gajulapalli
194	GP Haripuram\nMPP Mutharam	GP Haripuram\nMPP Mutharam
195	Rayadandi of Anthergaoan	Rayadandi
196	Laxmipur of Srirampur	Laxmipur
197	Lakkepur of Manthani	Lakkepur
198	Pittalayellaiahpalli of Odela	Pittalayellaiahpalli
199	Siddipalli of Kamanpur	Siddipalli
200	GP Machupeta\nMPP Mutharam	GP Machupeta\nMPP Mutharam
201	Lambadithanda K of Dharmaram	Lambadithanda K
202	Gumpula of \nOdela	Gumpula
203	Goliwada of Anthergaoan	Goliwada
204	Ankampalli of Srirampur	Ankampalli
205	Jafferkhanpet of Srirampur	Jafferkhanpet
206	Elkalapalli of Palakurthi	Elkalapalli
207	Naryanpur of Sulthanabad	Naryanpur
208	Penchikalpet of Kamanpur	Penchikalpet
209	Dhulikatta of Eligaid	Dhulikatta
210	Odela of Odela	Odela
211	Peddarathpalli of Srirampur	Peddarathpalli
212	Kandunooripalli of Sulthanabad	Kandunooripalli
213	Gunjapadugu of Manthani	Gunjapadugu
214	Suddala of Sulthanabad	Suddala
215	Namsanipalli of Odela	Namsanipalli
216	Khanampalli of Dharmaram	Khanampalli
217	Muppirthota of Eligaid	Muppirthota
218	Botlavanaparthi of Dharmaram	Botlavanaparthi
219	Katnapalli of Sulthanabad	Katnapalli
220	Thoggarai of Sulthanabad	Thoggarai
221	Raghavapoorn of Peddapalli	Raghavapoorn
222	Gangaram of Srirampur	Gangaram

223	Kammarkhanpet of Dharmaram	Kammarkhanpet
224	Ladnapur of Ramagiri	Ladnapur
225	Kalwacherla of Ramagiri	Kalwacherla
226	Itharajpalli of Sulthanabad	Itharajpalli
227	Kothur of Dharmaram	Kothur
228	Wadkapur of Julapalli	Wadkapur
229	Kothapalli of Peddapalli	Kothapalli
230	Kadambapur of Sulthanabad	Kadambapur
231	Anthergaon of Anthergoan	Anthergaon
232	Tharupalli of Srirampur	Tharupalli
233	Elakalapalligate of Palakurthi	Elakalapalligate
234	Rampalli of Peddapalli	Rampalli
235	GP Venkatraopalli of Ramagiri	GP Venkatraopalli
236	Kanagarthi of Odela	Kanagarthi
237	Lingapur of Anthergoan	Lingapur
238	Srirampur of Srirampur	Srirampur
239	Rangapur of Peddapalli	Rangapur
240	G.P. Lakkepur of Manthani	G.P. Lakkepur
241	Ratnapur of Ramagiri	Ratnapur
242	Katikenapalli of Dharmaram	Katikenapalli
243	Khansabpet of Manthani	Khansabpet
244	Bayammappalli of Odela	Bayammappalli
245	POTHKAPALLY\nMPP Odela	POTHKAPALLY\nMPP Odela
246	Sulthanpur of Eligaid	Sulthanpur
247	GP Pathipaka of Dharmaram	GP Pathipaka
248	Esampet of Anthergoan	Esampet
249	Gollapalli of Kamanpur	Gollapalli
250	Indurthi of Odela	Indurthi
251	GP Munjampalli,MPP Palakurthi	GP Munjampalli,MPP Palakurthi
252	Khammampalli of \nMutharam	Khammampalli
253	Kundanapalli of Anthergaon	Kundanapalli
254	Madipalli of Srirampur	Madipalli
255	Abbapur of \nJulapalli	Abbapur
256	Ramulapalli of Eligaid	Ramulapalli
257	Rakaldevpalli of Eligaid	Rakaldevpalli
258	Gadalapalli Of Manthani Mandal	Gadalapalli Of Manthani Mandal
259	Potharam of Mutharam	Potharam
260	Parupalli of Mutharam	Parupalli
261	Nagepalli of Manthani	Nagepalli
262	Ramulapalli of Eligaid	Ramulapalli

## MANDAL\_NAME

0	Mutharam
1	Manthani
2	None
3	Anthergaon
4	Ramagiri
5	Manthani
6	Manthani
7	Manthani
8	Peddapalli
9	Peddapalli
10	Ramagiri
11	Mutharam
12	Anthergaon
13	Eligaid

14	None
15	Peddapalli
16	Ramagiri
17	Ramagiri
18	Palakurthi
19	Odela
20	Srirampur
21	Anthergoan
22	None
23	Dharmaram
24	Ramagiri
25	Srirampur
26	Palakurthi Mandal
27	Julapalli Mandal
28	Julapalli Mandal
29	Sulthanabad
30	Anthergoam Mandal
31	Peddapalli Mandal
32	Julapalli
33	Manthani
34	None
35	Manthani
36	Sulthanabad
37	Sulthanabad
38	Sulthanabad
39	None
40	Palakurthi
41	Sulthanabad
42	Srirampur
43	Srirampur
44	Julapalli
45	Sulthanabad
46	Manthani
47	Srirampur
48	None
49	None
50	Anthergaon
51	Manthani
52	Dharmaram
53	Odela
54	None
55	Dharmaram
56	Palakurthi
57	None
58	Manthani
59	None
60	Manthani
61	Palakurthi
62	Manthani
63	Dharmaram
64	Palakurthi
65	Anthergaon
66	None
67	Palakurthi
68	Ramagiri
69	Dharmaram

70	Dharmaram
71	None
72	None
73	Palakurthi
74	Srirampur
75	Dharmaram
76	Palakurthi
77	None
78	None
79	Srirampur
80	Anthergaon
81	None
82	Sulthanabad
83	Manthani
84	Manthani
85	None
86	None
87	Srirampur
88	Julapalli
89	Kamanpur
90	Odela
91	Dharmaram
92	Sulthanabad
93	Palakurthi
94	Dharmaram
95	Eligaid
96	Odela
97	Ramagiri
98	Kamanpur
99	Manthani
100	None
101	Manthani
102	Peddapalli
103	Sulthanabad
104	Dharmaram
105	Eligaid
106	Manthani
107	Eligaid
108	Ramagiri
109	Odela
110	Srirampur
111	Sulthanabad
112	Manthani
113	Sulthanabad
114	Eligaid
115	Dharmaram
116	Peddapalli
117	Srirampur
118	Srirampur
119	Sulthanabad
120	Sulthanabad
121	dharmaram
122	Dharmaram
123	Eligaid
124	Peddapalli
125	Odela

126	Manthani
127	Srirampur
128	Peddapalli
129	Srirampur
130	Dharmaram
131	Julapalli
132	Ramagiri
133	Peddapalli
134	Kamanpur
135	Manthani
136	Palakurthi
137	Palakurthi
138	Palakurthi
139	Ramagiri
140	Srirampur
141	Anthergaon
142	Odela
143	Manthani
144	Sulthanabad
145	Srirampur
146	Peddapalli
147	Sulthanabad
148	Peddapalli
149	Ramagiri
150	Manthani
151	Manthani
152	Odela
153	\nDharmaram
154	Manthani
155	Odela
156	Kamanpur
157	Kamanpur
158	Mutharam
159	Peddapalli
160	Manthani
161	Manthani
162	Mutharam
163	Sulthanabad
164	None
165	Ramagiri
166	Srirampur Mandal
167	Manthani
168	Sulthanabad
169	Dharmaram
170	Dharmaram
171	Sulthanabad
172	None
173	Dharmaram
174	Palakurthi
175	Peddapalli Mandal
176	Anthergaon
177	Manthani
178	Sulthanabad Mandal
179	Odela
180	Palakurthi
181	None

182	Dharmaram
183	Palakurthi
184	None
185	Julapalli
186	Dharmaram
187	Eligaid
188	Palakurthi
189	Anthergaon
190	Sulthanabad
191	None
192	Dharmaram
193	Manthani
194	None
195	Anthergaon
196	Srirampur
197	Manthani
198	Odela
199	Kamanpur
200	None
201	Dharmaram
202	\nOdela
203	Anthergoan
204	Srirampur
205	Srirampur
206	Palakurthi
207	Sulthanabad
208	Kamanpur
209	Eligaid
210	Odela
211	Srirampur
212	Sulthanabad
213	Manthani
214	Sulthanabad
215	Odela
216	Dharmaram
217	Eligaid
218	Dharmaram
219	Sulthanabad
220	Sulthanabad
221	Peddapalli
222	Srirampur
223	Dharmaram
224	Ramagiri
225	Ramagiri
226	Sulthanabad
227	Dharmaram
228	Julapalli
229	Peddapalli
230	Sulthanabad
231	Anthergoan
232	Srirampur
233	Palakurthi
234	Peddapalli
235	Ramagiri
236	Odela
237	Anthergoan

```
238      Srirampur
239      Peddapalli
240      Manthani
241      Ramagiri
242      Dharmaram
243      Manthani
244      Odela
245      None
246      Eligaid
247      Dharmaram
248      Anthergoan
249      Kamanpur
250      Odela
251      None
252      \nMutharam
253      Anthergaon
254      Srirampur
255      \nJulapalli
256      Eligaid
257      Eligaid
258      None
259      Mutharam
260      Mutharam
261      Manthani
262      Eligaid
```

```
In [14]: pd.set_option("display.max_columns",100)
```

```
In [15]: print(data)
```

	gp name with mandal	GP_NAME \
0	Keshanapalli of Mutharam	Keshanapalli
1	Mallepalli of Manthani	Mallepalli
2	Kasulapalli\nof Peddapalli	Kasulapalli\nof Peddapalli
3	Somanpalli of Anthergaon	Somanpalli
4	Lonkakesaram of Ramagiri	Lonkakesaram
5	Battupalli of Manthani	Battupalli
6	Dubbapalli of Manthani	Dubbapalli
7	Potharam of Manthani	Potharam
8	Palitham of Peddapalli	Palitham
9	Devunipalli of Peddapalli	Devunipalli
10	Rajapur of Ramagiri	Rajapur
11	Odedu of Mutharam	Odedu
12	Peddampet of Anthergaon	Peddampet
13	Narayanapalli of Eligaid	Narayanapalli
14	GP Lakkaram\nMPP Mutharam	GP Lakkaram\nMPP Mutharam
15	Kapulapalli of Peddapalli	Kapulapalli
16	Nagepalli of Ramagiri	Nagepalli
17	Begumpet of Ramagiri	Begumpet
18	Kothapalli of Palakurthi	Kothapalli
19	Madaka of Odela	Madaka
20	Kunaram of Srirampur	Kunaram
21	Eklaspur of Anthergoan	Eklaspur
22	Kurmapalli \nMandal Peddapalli	Kurmapalli \nMandal Peddapalli
23	Medaram of Dharmaram	Medaram
24	Budhavarampet of Ramagiri	Budhavarampet
25	Vennampalli of Srirampur	Vennampalli
26	Kannala of Palakurthi Mandal	Kannala
27	Kachapur of Julapalli Mandal	Kachapur
28	Julapalli of Julapalli Mandal	Julapalli
29	Regadamaddikunta of Sulthanabad	Regadamaddikunta
30	Potyala of Anthergoam Mandal	Potyala
31	Nittoor of Peddapalli Mandal	Nittoor
32	Peddapur of Julapalli	Peddapur
33	Chillapalli of Manthani	Chillapalli
34	Kummarikunta\nof Julapalli	Kummarikunta\nof Julapalli
35	Bhittupalli of Manthani	Bhittupalli
36	Sambaiahpalli of Sulthanabad	Sambaiahpalli
37	Gollapalli of Sulthanabad	Gollapalli
38	Bonthakuntapalli of Sulthanabad	Bonthakuntapalli
39	Mulasala\nof Peddapalli	Mulasala\nof Peddapalli
40	Esalathakkallapalli of Palakurthi	Esalathakkallapalli
41	Kanukula of Sulthanabad	Kanukula
42	Madipalli Colony of Srirampur	Madipalli Colony
43	Kistampet of Srirampur	Kistampet
44	Konaraopeta of Julapalli	Konaraopeta
45	Naryanraopalli of Sulthanabad	Naryanraopalli
46	Venkatapur of Manthani	Venkatapur
47	Pandilla of Srirampur	Pandilla
48	Gopaiahpalli\nof Peddapalli	Gopaiahpalli\nof Peddapalli
49	Balarajpalli\nof Julapalli	Balarajpalli\nof Julapalli
50	Brahmanpalli of Anthergaon	Brahmanpalli
51	Maidupalli of Manthani	Maidupalli
52	Dharmaram of Dharmaram	Dharmaram
53	Komira of Odela	Komira
54	Bhojannapeta\nof Peddapalli	Bhojannapeta\nof Peddapalli

55	Kothapally of Dharmaram	Kothapally
56	Basanthnagar of Palakurthi	Basanthnagar
57	Goureddypeta\nof Peddapalli	Goureddypeta\nof Peddapalli
58	Gumnoor of Manthani	Gumnoor
59	Mutharam\nof Mutharam	Mutharam\nof Mutharam
60	Chinaodela of Manthani	Chinaodela
61	Ramaraopalli of Palakurthi	Ramaraopalli
62	Nagarampalli of Manthani	Nagarampalli
63	Ramaiahpalli of Dharmaram	Ramaiahpalli
64	Undeda of Palakurthi	Undeda
65	Akenapalli of Anthergaon	Akenapalli
66	Appannapeta\nof Peddapalli	Appannapeta\nof Peddapalli
67	Guntoorpalli of Palakurthi	Guntoorpalli
68	Adivarampet of Ramagiri	Adivarampet
69	Nayakampally of Dharmaram	Nayakampally
70	Kothapalli (New) of Dharmaram	Kothapalli (New)
71	Adavisrirampur \nof Mutharam	Adavisrirampur \nof Mutharam
72	Reginedu\nof Peddapalli	Reginedu\nof Peddapalli
73	Maredupalli of Palakurthi	Maredupalli
74	Mangapeta of Srirampur	Mangapeta
75	Mallapur of Dharmaram	Mallapur
76	Gudipalli of Palakurthi	Gudipalli
77	Daryapur\nof Mutharam	Daryapur\nof Mutharam
78	Cheemalapeta\nof Julapalli	Cheemalapeta\nof Julapalli
79	Peddampet of Srirampur	Peddampet
80	Maddiryala of Anthergaon	Maddiryala
81	Thurukalamaddikunta\nof Peddapalli	Thurukalamaddikunta\nof Peddapalli
82	Dubbapalli of Sulthanabad	Dubbapalli
83	Rachapalli of Manthani	Rachapalli
84	G.P. Kakarlapalli of Manthani	G.P. Kakarlapalli
85	GP Andugulapalli\nMandal Peddapalli	GP Andugulapalli\nMandal Peddapalli
86	GP Beemarapally\nMPP Odela	GP Beemarapally\nMPP Odela
87	Ippalapalli of Srirampur	Ippalapalli
88	Telukunta of Julapalli	Telukunta
89	Perapalli of Kamanpur	Perapalli
90	Hariapuram of Odela	Hariapuram
91	Rachapalli of Dharmaram	Rachapalli
92	Ramunipalli of Sulthanabad	Ramunipalli
93	Vemnoor of Palakurthi	Vemnoor
94	Gopalraopet of Dharmaram	Gopalraopet
95	Shivapalli of Eligaid	Shivapalli
96	Upparapally of Odela	Upparapally
97	Chandanapur of Ramagiri	Chandanapur
98	Rompikunta of Kamanpur	Rompikunta
99	Suraiahpalli of Manthani	Suraiahpalli
100	Hanumanthunipeta \nof Peddapalli	Hanumanthunipeta \nof Peddapalli
101	Mallaram of Manthani	Mallaram
102	Nimmannapalli of Peddapalli	Nimmannapalli
103	Garrepalli of Sulthanabad	Garrepalli
104	Narsingapur of Dharmaram	Narsingapur
105	Eligaid of Eligaid	Eligaid
106	Khanapur of Manthani	Khanapur
107	Lokapeta of Eligaid	Lokapeta
108	Pannur of Ramagiri	Pannur
109	Gudem of Odela	Gudem
110	Pegadapalli of Srirampur	Pegadapalli

111	Devunipalli of Sulthanabad	Devunipalli
112	Vilochavaram of Manthani	Vilochavaram
113	Kodurupaka of Sulthanabad	Kodurupaka
114	Burhanmiyapet of Eligaid	Burhanmiyapet
115	Lambadithanda (B) of Dharmaram	Lambadithanda (B)
116	Brahmanpalli of Peddapalli	Brahmanpalli
117	Mirzampet of Srirampur	Mirzampet
118	Edulapur of Srirampur	Edulapur
119	Neerukulla of Sulthanabad	Neerukulla
120	Miyapur of Sulthanabad	Miyapur
121	Banjerupalli of dharmaram	Banjerupalli
122	Chamanapalli of Dharmaram	Chamanapalli
123	Narsapur of Eligaid	Narsapur
124	Kanagarthi of Peddapalli	Kanagarthi
125	Jeelakunta of Odela	Jeelakunta
126	Uppatla of Manthani	Uppatla
127	Motlapalli of Srirampur	Motlapalli
128	Maredugonda of Peddapalli	Maredugonda
129	Chinnarathpalli of Srirampur	Chinnarathpalli
130	Perkapalli of Dharmaram	Perkapalli
131	Venkatraopalli of Julapalli	Venkatraopalli
132	Mustyala of Ramagiri	Mustyala
133	Peddakalvala of Peddapalli	Peddakalvala
134	Julapalli of Kamanpur	Julapalli
135	Nagaram of Manthani	Nagaram
136	Putnoor of Palakurthi	Putnoor
137	Bamlanayakthanda of Palakurthi	Bamlanayakthanda
138	Palakurthy of Palakurthi	Palakurthy
139	Sundilla of Ramagiri	Sundilla
140	Arepalli of Srirampur	Arepalli
141	Yellampalli of Anthergaon	Yellampalli
142	Kolanur of Odela	Kolanur
143	Adavisomanpalli of Manthani	Adavisomanpalli
144	Chinnabonkur of Sulthanabad	Chinnabonkur
145	Ashannapalli of Srirampur	Ashannapalli
146	Peddabonkur of Peddapalli	Peddabonkur
147	Gattepalli of Sulthanabad	Gattepalli
148	Cheekurai of Peddapalli	Cheekurai
149	Jallaram of Ramagiri	Jallaram
150	Kannala of Manthani	Kannala
151	Arenda of Manthani	Arenda
152	Gundlapalli of Odela	Gundlapalli
153	Erraguntapalli of \nDharmaram	Erraguntapalli
154	Gopalpur of Manthani	Gopalpur
155	Roopnaraynapet of Odela	Roopnaraynapet
156	Nagaram of Kamanpur	Nagaram
157	Gundaram of Kamanpur	Gundaram
158	Maidambanda of Mutharam	Maidambanda
159	Sabbitham of Peddapalli	Sabbitham
160	Bestapalli of Manthani	Bestapalli
161	Eklaspur of Manthani	Eklaspur
162	Seethampeta of Mutharam	Seethampeta
163	Bhupathipur of Sulthanabad	Bhupathipur
164	Mutharam \nof Peddapalli	Mutharam \nof Peddapalli
165	Nawabpet of Ramagiri	Nawabpet
166	GP Malyala of Srirampur Mandal	GP Malyala

167	Puttapaka of Manthani	Puttapaka
168	Chinnakalvala of Sulthanabad	Chinnakalvala
169	GP Sayampet of Dharmaram	GP Sayampet
170	GP Narsimhulapally of Dharmaram	GP Narsimhulapally
171	Allipur of Sulthanabad	Allipur
172	Abbidipally\nMPP Odela	Abbidipally\nMPP Odela
173	GP Buchaiahpalli of Dharmaram	GP Buchaiahpalli
174	Ranapur of Palakurthi	Ranapur
175	Bompalli of Peddapalli Mandal	Bompalli
176	TTs Anthargoan of Anthergaoan	TTs Anthargoan
177	Akkepalli of Manthani	Akkepalli
178	Manchirami of Sulthanabad Mandal	Manchirami
179	Goparapalli of Odela	Goparapalli
180	Jayyaram of Palakurthi	Jayyaram
181	Nagulapalli\nMPP Julapalli	Nagulapalli\nMPP Julapalli
182	GP Paidichintalapalli of Dharmaram	GP Paidichintalapalli
183	Kukkalagudur of Palakurthi	Kukkalagudur
184	SHANAGONDA\nMPP Odela	SHANAGONDA\nMPP Odela
185	Keechulatapalli of Julapalli	Keechulatapalli
186	Bommareddipalli of Dharmaram	Bommareddipalli
187	Lalapalli of Eligaid	Lalapalli
188	Ghanshyamdas Nagar of Palakurthi	Ghanshyamdas Nagar
189	Murmoor of Anthergaoan	Murmoor
190	Narsaiahpalli of Sulthanabad	Narsaiahpalli
191	Gurrampalli \nMandal Peddapalli	Gurrampalli \nMandal Peddapalli
192	GP Khilavanaparthi of Dharmaram	GP Khilavanaparthi
193	Gajulapalli of Manthani	Gajulapalli
194	GP Haripuram\nMPP Mutharam	GP Haripuram\nMPP Mutharam
195	Rayadandi of Anthergaoan	Rayadandi
196	Laxmipur of Srirampur	Laxmipur
197	Lakkepur of Manthani	Lakkepur
198	Pittalayellaiahpalli of Odela	Pittalayellaiahpalli
199	Siddipalli of Kamanpur	Siddipalli
200	GP Machupeta\nMPP Mutharam	GP Machupeta\nMPP Mutharam
201	Lambadithanda K of Dharmaram	Lambadithanda K
202	Gumpula of \nOdela	Gumpula
203	Goliwada of Anthergaoan	Goliwada
204	Ankampalli of Srirampur	Ankampalli
205	Jafferkhanpet of Srirampur	Jafferkhanpet
206	Elkalapalli of Palakurthi	Elkalapalli
207	Naryanpur of Sulthanabad	Naryanpur
208	Penchikalpet of Kamanpur	Penchikalpet
209	Dhulikatta of Eligaid	Dhulikatta
210	Odela of Odela	Odela
211	Peddarathpalli of Srirampur	Peddarathpalli
212	Kandunooripalli of Sulthanabad	Kandunooripalli
213	Gunjapadugu of Manthani	Gunjapadugu
214	Suddala of Sulthanabad	Suddala
215	Namsanipalli of Odela	Namsanipalli
216	Khanampalli of Dharmaram	Khanampalli
217	Muppirthota of Eligaid	Muppirthota
218	Botlavanaparthi of Dharmaram	Botlavanaparthi
219	Katnapalli of Sulthanabad	Katnapalli
220	Thoggarai of Sulthanabad	Thoggarai
221	Raghavapoorn of Peddapalli	Raghavapoorn
222	Gangaram of Srirampur	Gangaram

223	Kammarkhanpet of Dharmaram	Kammarkhanpet
224	Ladnapur of Ramagiri	Ladnapur
225	Kalwacherla of Ramagiri	Kalwacherla
226	Itharajpalli of Sulthanabad	Itharajpalli
227	Kothur of Dharmaram	Kothur
228	Wadkapur of Julapalli	Wadkapur
229	Kothapalli of Peddapalli	Kothapalli
230	Kadambapur of Sulthanabad	Kadambapur
231	Anthergaon of Anthergoan	Anthergaon
232	Tharupalli of Srirampur	Tharupalli
233	Elakalapalligate of Palakurthi	Elakalapalligate
234	Rampalli of Peddapalli	Rampalli
235	GP Venkatraopalli of Ramagiri	GP Venkatraopalli
236	Kanagarthi of Odela	Kanagarthi
237	Lingapur of Anthergoan	Lingapur
238	Srirampur of Srirampur	Srirampur
239	Rangapur of Peddapalli	Rangapur
240	G.P. Lakkepur of Manthani	G.P. Lakkepur
241	Ratnapur of Ramagiri	Ratnapur
242	Katikenapalli of Dharmaram	Katikenapalli
243	Khansabpet of Manthani	Khansabpet
244	Bayammappalli of Odela	Bayammappalli
245	POTHKAPALLY\nMPP Odela	POTHKAPALLY\nMPP Odela
246	Sulthanpur of Eligaid	Sulthanpur
247	GP Pathipaka of Dharmaram	GP Pathipaka
248	Esampet of Anthergoan	Esampet
249	Gollapalli of Kamanpur	Gollapalli
250	Indurthi of Odela	Indurthi
251	GP Munjampalli,MPP Palakurthi	GP Munjampalli,MPP Palakurthi
252	Khammampalli of \nMutharam	Khammampalli
253	Kundanapalli of Anthergaon	Kundanapalli
254	Madipalli of Srirampur	Madipalli
255	Abbapur of \nJulapalli	Abbapur
256	Ramulapalli of Eligaid	Ramulapalli
257	Rakaldevpalli of Eligaid	Rakaldevpalli
258	Gadalapalli Of Manthani Mandal	Gadalapalli Of Manthani Mandal
259	Potharam of Mutharam	Potharam
260	Parupalli of Mutharam	Parupalli
261	Nagepalli of Manthani	Nagepalli
262	Ramulapalli of Eligaid	Ramulapalli

## MANDAL\_NAME

0	Mutharam
1	Manthani
2	None
3	Anthergaon
4	Ramagiri
5	Manthani
6	Manthani
7	Manthani
8	Peddapalli
9	Peddapalli
10	Ramagiri
11	Mutharam
12	Anthergaon
13	Eligaid

14	None
15	Peddapalli
16	Ramagiri
17	Ramagiri
18	Palakurthi
19	O dela
20	Srirampur
21	Anthergoan
22	None
23	Dharmaram
24	Ramagiri
25	Srirampur
26	Palakurthi Mandal
27	Julapalli Mandal
28	Julapalli Mandal
29	Sulthanabad
30	Anthergoam Mandal
31	Peddapalli Mandal
32	Julapalli
33	Manthani
34	None
35	Manthani
36	Sulthanabad
37	Sulthanabad
38	Sulthanabad
39	None
40	Palakurthi
41	Sulthanabad
42	Srirampur
43	Srirampur
44	Julapalli
45	Sulthanabad
46	Manthani
47	Srirampur
48	None
49	None
50	Anthergaon
51	Manthani
52	Dharmaram
53	O dela
54	None
55	Dharmaram
56	Palakurthi
57	None
58	Manthani
59	None
60	Manthani
61	Palakurthi
62	Manthani
63	Dharmaram
64	Palakurthi
65	Anthergaon
66	None
67	Palakurthi
68	Ramagiri
69	Dharmaram

70	Dharmaram
71	None
72	None
73	Palakurthi
74	Srirampur
75	Dharmaram
76	Palakurthi
77	None
78	None
79	Srirampur
80	Anthergaon
81	None
82	Sulthanabad
83	Manthani
84	Manthani
85	None
86	None
87	Srirampur
88	Julapalli
89	Kamanpur
90	Odela
91	Dharmaram
92	Sulthanabad
93	Palakurthi
94	Dharmaram
95	Eligaid
96	Odela
97	Ramagiri
98	Kamanpur
99	Manthani
100	None
101	Manthani
102	Peddapalli
103	Sulthanabad
104	Dharmaram
105	Eligaid
106	Manthani
107	Eligaid
108	Ramagiri
109	Odela
110	Srirampur
111	Sulthanabad
112	Manthani
113	Sulthanabad
114	Eligaid
115	Dharmaram
116	Peddapalli
117	Srirampur
118	Srirampur
119	Sulthanabad
120	Sulthanabad
121	dharmaram
122	Dharmaram
123	Eligaid
124	Peddapalli
125	Odela

126	Manthani
127	Srirampur
128	Peddapalli
129	Srirampur
130	Dharmaram
131	Julapalli
132	Ramagiri
133	Peddapalli
134	Kamanpur
135	Manthani
136	Palakurthi
137	Palakurthi
138	Palakurthi
139	Ramagiri
140	Srirampur
141	Anthergaon
142	Odela
143	Manthani
144	Sulthanabad
145	Srirampur
146	Peddapalli
147	Sulthanabad
148	Peddapalli
149	Ramagiri
150	Manthani
151	Manthani
152	Odela
153	\nDharmaram
154	Manthani
155	Odela
156	Kamanpur
157	Kamanpur
158	Mutharam
159	Peddapalli
160	Manthani
161	Manthani
162	Mutharam
163	Sulthanabad
164	None
165	Ramagiri
166	Srirampur Mandal
167	Manthani
168	Sulthanabad
169	Dharmaram
170	Dharmaram
171	Sulthanabad
172	None
173	Dharmaram
174	Palakurthi
175	Peddapalli Mandal
176	Anthergaon
177	Manthani
178	Sulthanabad Mandal
179	Odela
180	Palakurthi
181	None

182	Dharmaram
183	Palakurthi
184	None
185	Julapalli
186	Dharmaram
187	Eligaid
188	Palakurthi
189	Anthergaon
190	Sulthanabad
191	None
192	Dharmaram
193	Manthani
194	None
195	Anthergaon
196	Srirampur
197	Manthani
198	Odela
199	Kamanpur
200	None
201	Dharmaram
202	\nOdela
203	Anthergoan
204	Srirampur
205	Srirampur
206	Palakurthi
207	Sulthanabad
208	Kamanpur
209	Eligaid
210	Odela
211	Srirampur
212	Sulthanabad
213	Manthani
214	Sulthanabad
215	Odela
216	Dharmaram
217	Eligaid
218	Dharmaram
219	Sulthanabad
220	Sulthanabad
221	Peddapalli
222	Srirampur
223	Dharmaram
224	Ramagiri
225	Ramagiri
226	Sulthanabad
227	Dharmaram
228	Julapalli
229	Peddapalli
230	Sulthanabad
231	Anthergoan
232	Srirampur
233	Palakurthi
234	Peddapalli
235	Ramagiri
236	Odela
237	Anthergoan

```
238          Srirampur
239          Peddapalli
240          Manthani
241          Ramagiri
242          Dharmaram
243          Manthani
244          Odela
245          None
246          Eligaid
247          Dharmaram
248          Anthergoan
249          Kamanpur
250          Odela
251          None
252          \nMutharam
253          Anthergaon
254          Srirampur
255          \nJulapalli
256          Eligaid
257          Eligaid
258          None
259          Mutharam
260          Mutharam
261          Manthani
262          Eligaid
```

```
In [16]: data.isnull().sum()
```

```
Out[16]: gp name with mandal      0
          GP_NAME              0
          MANDAL_NAME           29
          dtype: int64
```

```
In [17]: data[(data['MANDAL_NAME'].isna())]
```

Out[17]:

	gp name with mandal	GP_NAME	MANDAL_NAME
2	Kasulapalli\nof Peddapalli	Kasulapalli\nof Peddapalli	None
14	GP Lakkaram\nMPP Mutharam	GP Lakkaram\nMPP Mutharam	None
22	Kurmapalli \nMandal Peddapalli	Kurmapalli \nMandal Peddapalli	None
34	Kummarikunta\nof Julapalli	Kummarikunta\nof Julapalli	None
39	Mulasala\nof Peddapalli	Mulasala\nof Peddapalli	None
48	Gopaiahpalli\nof Peddapalli	Gopaiahpalli\nof Peddapalli	None
49	Balarajpalli\nof Julapalli	Balarajpalli\nof Julapalli	None
54	Bhojannapeta\nof Peddapalli	Bhojannapeta\nof Peddapalli	None
57	Goureddypeta\nof Peddapalli	Goureddypeta\nof Peddapalli	None
59	Mutharam\nof Mutharam	Mutharam\nof Mutharam	None
66	Appannapeta\nof Peddapalli	Appannapeta\nof Peddapalli	None
71	Adavisrirampur \nof Mutharam	Adavisrirampur \nof Mutharam	None
72	Reginedu\nof Peddapalli	Reginedu\nof Peddapalli	None
77	Daryapur\nof Mutharam	Daryapur\nof Mutharam	None
78	Cheemalapeta\nof Julapalli	Cheemalapeta\nof Julapalli	None
81	Thurukalamaddikunta\nof Peddapalli	Thurukalamaddikunta\nof Peddapalli	None
85	GP Andugulapalli\nMandal Peddapalli	GP Andugulapalli\nMandal Peddapalli	None
86	GP Beemarapally\nMPP Odela	GP Beemarapally\nMPP Odela	None
100	Hanumanthunipeta \nof Peddapalli	Hanumanthunipeta \nof Peddapalli	None
164	Mutharam \nof Peddapalli	Mutharam \nof Peddapalli	None
172	Abbidipally\nMPP Odela	Abbidipally\nMPP Odela	None
181	Nagulapalli\nMPP Julapalli	Nagulapalli\nMPP Julapalli	None
184	SHANAGONDA\nMPP Odela	SHANAGONDA\nMPP Odela	None
191	Gurrampalli \nMandal Peddapalli	Gurrampalli \nMandal Peddapalli	None
194	GP Haripuram\nMPP Mutharam	GP Haripuram\nMPP Mutharam	None
200	GP Machupeta\nMPP Mutharam	GP Machupeta\nMPP Mutharam	None
245	POTHKAPALLY\nMPP Odela	POTHKAPALLY\nMPP Odela	None
251	GP Munjampalli,MPP Palakurthi	GP Munjampalli,MPP Palakurthi	None
258	Gadalapalli Of Manthani Mandal	Gadalapalli Of Manthani Mandal	None

```
In [18]: data[['GP_NAME','MANDAL_NAME']] = data['gp name with mandal'].str.split("\nof ",expand=True)
```

```
In [19]: data
```

Out[19]:

	gp name with mandal	GP_NAME	MANDAL_NAME
0	Keshanapalli of Mutharam	Keshanapalli of Mutharam	None
1	Mallepalli of Manthani	Mallepalli of Manthani	None
2	Kasulapalli\nof Peddapalli	Kasulapalli	Peddapalli
3	Somanpalli of Anthergaon	Somanpalli of Anthergaon	None
4	Lonkakesaram of Ramagiri	Lonkakesaram of Ramagiri	None
5	Battupalli of Manthani	Battupalli of Manthani	None
6	Dubbapalli of Manthani	Dubbapalli of Manthani	None
7	Potharam of Manthani	Potharam of Manthani	None
8	Palitham of Peddapalli	Palitham of Peddapalli	None
9	Devunipalli of Peddapalli	Devunipalli of Peddapalli	None
10	Rajapur of Ramagiri	Rajapur of Ramagiri	None
11	Odedu of Mutharam	Odedu of Mutharam	None
12	Peddampet of Anthergaon	Peddampet of Anthergaon	None
13	Narayanapalli of Eligaid	Narayanapalli of Eligaid	None
14	GP Lakkaram\nMPP Mutharam	GP Lakkaram\nMPP Mutharam	None
15	Kapulapalli of Peddapalli	Kapulapalli of Peddapalli	None
16	Nagepalli of Ramagiri	Nagepalli of Ramagiri	None
17	Begumpet of Ramagiri	Begumpet of Ramagiri	None
18	Kothapalli of Palakurthi	Kothapalli of Palakurthi	None
19	Madaka of Odela	Madaka of Odela	None
20	Kunaram of Srirampur	Kunaram of Srirampur	None
21	Eklaspur of Anthergoan	Eklaspur of Anthergoan	None
22	Kurmapalli \nMandal Peddapalli	Kurmapalli \nMandal Peddapalli	None
23	Medaram of Dharmaram	Medaram of Dharmaram	None
24	Budhavarampet of Ramagiri	Budhavarampet of Ramagiri	None
25	Vennampalli of Srirampur	Vennampalli of Srirampur	None
26	Kannala of Palakurthi Mandal	Kannala of Palakurthi Mandal	None
27	Kachapur of Julapalli Mandal	Kachapur of Julapalli Mandal	None
28	Julapalli of Julapalli Mandal	Julapalli of Julapalli Mandal	None
29	Regadamaddikunta of Sulthanabad	Regadamaddikunta of Sulthanabad	None

	gp name with mandal	GP_NAME	MANDAL_NAME
30	Potyala of Anthergoam Mandal	Potyala of Anthergoam Mandal	None
31	Nittoor of Peddapalli Mandal	Nittoor of Peddapalli Mandal	None
32	Peddapur of Julapalli	Peddapur of Julapalli	None
33	Chillapalli of Manthani	Chillapalli of Manthani	None
34	Kummarikunta\nof Julapalli	Kummarikunta	Julapalli
35	Bhittupalli of Manthani	Bhittupalli of Manthani	None
36	Sambaiahpalli of Sulthanabad	Sambaiahpalli of Sulthanabad	None
37	Gollapalli of Sulthanabad	Gollapalli of Sulthanabad	None
38	Bonthakuntapalli of Sulthanabad	Bonthakuntapalli of Sulthanabad	None
39	Mulasala\nof Peddapalli	Mulasala	Peddapalli
40	Esalathakkallapalli of Palakurthi	Esalathakkallapalli of Palakurthi	None
41	Kanukula of Sulthanabad	Kanukula of Sulthanabad	None
42	Madipalli Colony of Srirampur	Madipalli Colony of Srirampur	None
43	Kistampet of Srirampur	Kistampet of Srirampur	None
44	Konaraopeta of Julapalli	Konaraopeta of Julapalli	None
45	Naryanraopalli of Sulthanabad	Naryanraopalli of Sulthanabad	None
46	Venkatapur of Manthani	Venkatapur of Manthani	None
47	Pandilla of Srirampur	Pandilla of Srirampur	None
48	Gopaiahpalli\nof Peddapalli	Gopaiahpalli	Peddapalli
49	Balarajpalli\nof Julapalli	Balarajpalli	Julapalli
50	Brahmanpalli of Anthergaon	Brahmanpalli of Anthergaon	None
51	Maidupalli of Manthani	Maidupalli of Manthani	None
52	Dharmaram of Dharmaram	Dharmaram of Dharmaram	None
53	Komira of Odela	Komira of Odela	None
54	Bhojannapeta\nof Peddapalli	Bhojannapeta	Peddapalli
55	Kothapally of Dharmaram	Kothapally of Dharmaram	None
56	Basanthnagar of Palakurthi	Basanthnagar of Palakurthi	None
57	Goureddypeta\nof Peddapalli	Goureddypeta	Peddapalli
58	Gumnoor of Manthani	Gumnoor of Manthani	None
59	Mutharam\nof Mutharam	Mutharam	Mutharam

	gp name with mandal	GP_NAME	MANDAL_NAME
60	Chinaodela of Manthani	Chinaodela of Manthani	None
61	Ramaraopalli of Palakurthi	Ramaraopalli of Palakurthi	None
62	Nagarampalli of Manthani	Nagarampalli of Manthani	None
63	Ramaiahpalli of Dharmaram	Ramaiahpalli of Dharmaram	None
64	Undeda of Palakurthi	Undeda of Palakurthi	None
65	Akenapalli of Anthergaon	Akenapalli of Anthergaon	None
66	Appannapeta\nof Peddapalli	Appannapeta	Peddapalli
67	Guntoorpalli of Palakurthi	Guntoorpalli of Palakurthi	None
68	Adivarampet of Ramagiri	Adivarampet of Ramagiri	None
69	Nayakampally of Dharmaram	Nayakampally of Dharmaram	None
70	Kothapalli (New) of Dharmaram	Kothapalli (New) of Dharmaram	None
71	Adavisrirampur \nof Mutharam	Adavisrirampur	Mutharam
72	Reginedu\nof Peddapalli	Reginedu	Peddapalli
73	Maredupalli of Palakurthi	Maredupalli of Palakurthi	None
74	Mangapeta of Srirampur	Mangapeta of Srirampur	None
75	Mallapur of Dharmaram	Mallapur of Dharmaram	None
76	Gudipalli of Palakurthi	Gudipalli of Palakurthi	None
77	Daryapur\nof Mutharam	Daryapur	Mutharam
78	Cheemalapeta\nof Julapalli	Cheemalapeta	Julapalli
79	Peddampet of Srirampur	Peddampet of Srirampur	None
80	Maddiryala of Anthergaon	Maddiryala of Anthergaon	None
81	Thurukalamaddikunta\nof Peddapalli	Thurukalamaddikunta	Peddapalli
82	Dubbapalli of Sulthanabad	Dubbapalli of Sulthanabad	None
83	Rachapalli of Manthani	Rachapalli of Manthani	None
84	G.P. Kakarlapalli of Manthani	G.P. Kakarlapalli of Manthani	None
85	GP Andugulapalli\nMandal Peddapalli	GP Andugulapalli\nMandal Peddapalli	None
86	GP Beemarapally\nMPP Odela	GP Beemarapally\nMPP Odela	None
87	Ippalapalli of Srirampur	Ippalapalli of Srirampur	None
88	Telukunta of Julapalli	Telukunta of Julapalli	None

	gp name with mandal	GP_NAME	MANDAL_NAME
89	Perapalli of Kamanpur	Perapalli of Kamanpur	None
90	Haripuram of Odela	Haripuram of Odela	None
91	Rachapalli of Dharmaram	Rachapalli of Dharmaram	None
92	Ramunipalli of Sulthanabad	Ramunipalli of Sulthanabad	None
93	Vemnoor of Palakurthi	Vemnoor of Palakurthi	None
94	Gopalraopet of Dharmaram	Gopalraopet of Dharmaram	None
95	Shivapalli of Eligaid	Shivapalli of Eligaid	None
96	Upparapally of Odela	Upparapally of Odela	None
97	Chandanapur of Ramagiri	Chandanapur of Ramagiri	None
98	Rompikunta of Kamanpur	Rompikunta of Kamanpur	None
99	Suraiahpalli of Manthani	Suraiahpalli of Manthani	None
100	Hanumanthunipeta \nof Peddapalli	Hanumanthunipeta	Peddapalli
101	Mallaram of Manthani	Mallaram of Manthani	None
102	Nimmanapalli of Peddapalli	Nimmanapalli of Peddapalli	None
103	Garrepalli of Sulthanabad	Garrepalli of Sulthanabad	None
104	Narsingapur of Dharmaram	Narsingapur of Dharmaram	None
105	Eligaid of Eligaid	Eligaid of Eligaid	None
106	Khanapur of Manthani	Khanapur of Manthani	None
107	Lokapeta of Eligaid	Lokapeta of Eligaid	None
108	Pannur of Ramagiri	Pannur of Ramagiri	None
109	Gudem of Odela	Gudem of Odela	None
110	Pegadapalli of Srirampur	Pegadapalli of Srirampur	None
111	Devunipalli of Sulthanabad	Devunipalli of Sulthanabad	None
112	Vilochavaram of Manthani	Vilochavaram of Manthani	None
113	Kodurupaka of Sulthanabad	Kodurupaka of Sulthanabad	None
114	Burhanmiyapet of Eligaid	Burhanmiyapet of Eligaid	None
115	Lambadithanda (B) of Dharmaram	Lambadithanda (B) of Dharmaram	None
116	Brahmanpalli of Peddapalli	Brahmanpalli of Peddapalli	None
117	Mirzampet of Srirampur	Mirzampet of Srirampur	None
118	Edulapur of Srirampur	Edulapur of Srirampur	None

	gp name with mandal	GP_NAME	MANDAL_NAME
119	Neerukulla of Sulthanabad	Neerukulla of Sulthanabad	None
120	Miyapur of Sulthanabad	Miyapur of Sulthanabad	None
121	Banjerupalli of dharmaram	Banjerupalli of dharmaram	None
122	Chamanapalli of Dharmaram	Chamanapalli of Dharmaram	None
123	Narsapur of Eligaid	Narsapur of Eligaid	None
124	Kanagarthi of Peddapalli	Kanagarthi of Peddapalli	None
125	Jeelakunta of Odela	Jeelakunta of Odela	None
126	Uppatla of Manthani	Uppatla of Manthani	None
127	Motlapalli of Srirampur	Motlapalli of Srirampur	None
128	Maredugonda of Peddapalli	Maredugonda of Peddapalli	None
129	Chinnarathpalli of Srirampur	Chinnarathpalli of Srirampur	None
130	Perkapalli of Dharmaram	Perkapalli of Dharmaram	None
131	Venkatraopalli of Julapalli	Venkatraopalli of Julapalli	None
132	Mustyala of Ramagiri	Mustyala of Ramagiri	None
133	Peddakalvala of Peddapalli	Peddakalvala of Peddapalli	None
134	Julapalli of Kamanpur	Julapalli of Kamanpur	None
135	Nagaram of Manthani	Nagaram of Manthani	None
136	Putnoor of Palakurthi	Putnoor of Palakurthi	None
137	Bamlanayakthanda of Palakurthi	Bamlanayakthanda of Palakurthi	None
138	Palakurthy of Palakurthi	Palakurthy of Palakurthi	None
139	Sundilla of Ramagiri	Sundilla of Ramagiri	None
140	Arepalli of Srirampur	Arepalli of Srirampur	None
141	Yellampalli of Anthergaon	Yellampalli of Anthergaon	None
142	Kolanur of Odela	Kolanur of Odela	None
143	Adavisomanpalli of Manthani	Adavisomanpalli of Manthani	None
144	Chinnabonkur of Sulthanabad	Chinnabonkur of Sulthanabad	None
145	Ashannapalli of Srirampur	Ashannapalli of Srirampur	None
146	Peddabonkur of Peddapalli	Peddabonkur of Peddapalli	None
147	Gattepalli of Sulthanabad	Gattepalli of Sulthanabad	None
148	Cheekurai of Peddapalli	Cheekurai of Peddapalli	None

	gp name with mandal	GP_NAME	MANDAL_NAME
149	Jallaram of Ramagiri	Jallaram of Ramagiri	None
150	Kannala of Manthani	Kannala of Manthani	None
151	Arenda of Manthani	Arenda of Manthani	None
152	Gundlapalli of Odela	Gundlapalli of Odela	None
153	Erraguntapalli of \nDharmaram	Erraguntapalli of \nDharmaram	None
154	Gopalpur of Manthani	Gopalpur of Manthani	None
155	Roopnaraynapet of Odela	Roopnaraynapet of Odela	None
156	Nagaram of Kamanpur	Nagaram of Kamanpur	None
157	Gundaram of Kamanpur	Gundaram of Kamanpur	None
158	Maidambanda of Mutharam	Maidambanda of Mutharam	None
159	Sabbitham of Peddapalli	Sabbitham of Peddapalli	None
160	Bestapalli of Manthani	Bestapalli of Manthani	None
161	Eklaspur of Manthani	Eklaspur of Manthani	None
162	Seethampeta of Mutharam	Seethampeta of Mutharam	None
163	Bhupathipur of Sulthanabad	Bhupathipur of Sulthanabad	None
164	Mutharam \nof Peddapalli	Mutharam	Peddapalli
165	Nawabpet of Ramagiri	Nawabpet of Ramagiri	None
166	GP Malyala of Srirampur Mandal	GP Malyala of Srirampur Mandal	None
167	Puttapaka of Manthani	Puttapaka of Manthani	None
168	Chinnakalvala of Sulthanabad	Chinnakalvala of Sulthanabad	None
169	GP Sayampet of Dharmaram	GP Sayampet of Dharmaram	None
170	GP Narsimhulapally of Dharmaram	GP Narsimhulapally of Dharmaram	None
171	Allipur of Sulthanabad	Allipur of Sulthanabad	None
172	Abbidipally\nMPP Odela	Abbidipally\nMPP Odela	None
173	GP Buchaiahpalli of Dharmaram	GP Buchaiahpalli of Dharmaram	None
174	Ranapur of Palakurthi	Ranapur of Palakurthi	None
175	Bompalli of Peddapalli Mandal	Bompalli of Peddapalli Mandal	None
176	TTs Anthargoan of Anthergaon	TTs Anthargoan of Anthergaon	None
177	Akkepalli of Manthani	Akkepalli of Manthani	None
178	Manchirami of Sulthanabad Mandal	Manchirami of Sulthanabad Mandal	None

	gp name with mandal	GP_NAME	MANDAL_NAME
179	Goparapalli of Odela	Goparapalli of Odela	None
180	Jayyaram of Palakurthi	Jayyaram of Palakurthi	None
181	Nagulapalli\nMPP Julapalli	Nagulapalli\nMPP Julapalli	None
182	GP Paidichintalapalli of Dharmaram	GP Paidichintalapalli of Dharmaram	None
183	Kukkalagudur of Palakurthi	Kukkalagudur of Palakurthi	None
184	SHANAGONDA\nMPP Odela	SHANAGONDA\nMPP Odela	None
185	Keechulatapalli of Julapalli	Keechulatapalli of Julapalli	None
186	Bommareddipalli of Dharmaram	Bommareddipalli of Dharmaram	None
187	Lalapalli of Eligaid	Lalapalli of Eligaid	None
188	Ghanshyamdas Nagar of Palakurthi	Ghanshyamdas Nagar of Palakurthi	None
189	Murmoor of Anthergaon	Murmoor of Anthergaon	None
190	Narsaiahpalli of Sulthanabad	Narsaiahpalli of Sulthanabad	None
191	Gurrampalli \nMandal Peddapalli	Gurrampalli \nMandal Peddapalli	None
192	GP Khilavanaparthi of Dharmaram	GP Khilavanaparthi of Dharmaram	None
193	Gajulapalli of Manthani	Gajulapalli of Manthani	None
194	GP Haripuram\nMPP Mutharam	GP Haripuram\nMPP Mutharam	None
195	Rayadandi of Anthergaon	Rayadandi of Anthergaon	None
196	Laxmipur of Srirampur	Laxmipur of Srirampur	None
197	Lakkepur of Manthani	Lakkepur of Manthani	None
198	Pittalayellaiahpalli of Odela	Pittalayellaiahpalli of Odela	None
199	Siddipalli of Kamanpur	Siddipalli of Kamanpur	None
200	GP Machupeta\nMPP Mutharam	GP Machupeta\nMPP Mutharam	None
201	Lambadithanda K of Dharmaram	Lambadithanda K of Dharmaram	None
202	Gumpula of \nOdela	Gumpula of \nOdela	None
203	Goliwada of Anthergoan	Goliwada of Anthergoan	None
204	Ankampalli of Srirampur	Ankampalli of Srirampur	None
205	Jafferhanpet of Srirampur	Jafferhanpet of Srirampur	None
206	Elkalapalli of Palakurthi	Elkalapalli of Palakurthi	None
207	Naryanpur of Sulthanabad	Naryanpur of Sulthanabad	None

	gp name with mandal	GP_NAME	MANDAL_NAME
208	Penchikalpet of Kamanpur	Penchikalpet of Kamanpur	None
209	Dhulikatta of Eligaid	Dhulikatta of Eligaid	None
210	Odela of Odela	Odela of Odela	None
211	Peddarathpalli of Srirampur	Peddarathpalli of Srirampur	None
212	Kandunooripalli of Sulthanabad	Kandunooripalli of Sulthanabad	None
213	Gunjapadugu of Manthani	Gunjapadugu of Manthani	None
214	Suddala of Sulthanabad	Suddala of Sulthanabad	None
215	Namsanipalli of Odela	Namsanipalli of Odela	None
216	Khanampalli of Dharmaram	Khanampalli of Dharmaram	None
217	Muppirithota of Eligaid	Muppirithota of Eligaid	None
218	Botlavanaparthi of Dharmaram	Botlavanaparthi of Dharmaram	None
219	Katnapalli of Sulthanabad	Katnapalli of Sulthanabad	None
220	Thoggarai of Sulthanabad	Thoggarai of Sulthanabad	None
221	Raghavapoort of Peddapalli	Raghavapoort of Peddapalli	None
222	Gangaram of Srirampur	Gangaram of Srirampur	None
223	Kammarkhanpet of Dharmaram	Kammarkhanpet of Dharmaram	None
224	Ladnapur of Ramagiri	Ladnapur of Ramagiri	None
225	Kalwacherla of Ramagiri	Kalwacherla of Ramagiri	None
226	Itharajpalli of Sulthanabad	Itharajpalli of Sulthanabad	None
227	Kothur of Dharmaram	Kothur of Dharmaram	None
228	Wadkapur of Julapalli	Wadkapur of Julapalli	None
229	Kothapalli of Peddapalli	Kothapalli of Peddapalli	None
230	Kadambapur of Sulthanabad	Kadambapur of Sulthanabad	None
231	Anthergaon of Anthergoan	Anthergaon of Anthergoan	None
232	Tharupalli of Srirampur	Tharupalli of Srirampur	None
233	Elakalapalligate of Palakurthi	Elakalapalligate of Palakurthi	None
234	Rampalli of Peddapalli	Rampalli of Peddapalli	None
235	GP Venkatraopalli of Ramagiri	GP Venkatraopalli of Ramagiri	None
236	Kanagarthi of Odela	Kanagarthi of Odela	None
237	Lingapur of Anthergoan	Lingapur of Anthergoan	None

	gp name with mandal	GP_NAME	MANDAL_NAME
238	Srirampur of Srirampur	Srirampur of Srirampur	None
239	Rangapur of Peddapalli	Rangapur of Peddapalli	None
240	G.P. Lakkepur of Manthani	G.P. Lakkepur of Manthani	None
241	Ratnapur of Ramagiri	Ratnapur of Ramagiri	None
242	Katikenapalli of Dharmaram	Katikenapalli of Dharmaram	None
243	Khansabpet of Manthani	Khansabpet of Manthani	None
244	Bayammapalli of Odela	Bayammapalli of Odela	None
245	POTHKAPALLY\nMPP Odela	POTHKAPALLY\nMPP Odela	None
246	Sulthanpur of Eligaid	Sulthanpur of Eligaid	None
247	GP Pathipaka of Dharmaram	GP Pathipaka of Dharmaram	None
248	Esampet of Anthergoan	Esampet of Anthergoan	None
249	Gollapalli of Kamanpur	Gollapalli of Kamanpur	None
250	Indurthi of Odela	Indurthi of Odela	None
251	GP Munjampalli,MPP Palakurthi	GP Munjampalli,MPP Palakurthi	None
252	Khammappalli of \nMutharam	Khammappalli of \nMutharam	None
253	Kundanapalli of Anthergaon	Kundanapalli of Anthergaon	None
254	Madipalli of Srirampur	Madipalli of Srirampur	None
255	Abbapur of \nJulapalli	Abbapur of \nJulapalli	None
256	Ramulapalli of Eligaid	Ramulapalli of Eligaid	None
257	Rakaldevpalli of Eligaid	Rakaldevpalli of Eligaid	None
258	Gadalapalli Of Manthani Mandal	Gadalapalli Of Manthani Mandal	None
259	Potharam of Mutharam	Potharam of Mutharam	None
260	Parupalli of Mutharam	Parupalli of Mutharam	None
261	Nagepalli of Manthani	Nagepalli of Manthani	None
262	Ramulapalli of Eligaid	Ramulapalli of Eligaid	None

In [20]: `data.isnull().sum()`

Out[20]:

gp name with mandal	0
GP_NAME	0
MANDAL_NAME	247
dtype:	int64

In [21]: `data[(data['MANDAL_NAME'].isna())]`

Out[21]:

	gp name with mandal	GP_NAME	MANDAL_NAME
0	Keshanapalli of Mutharam	Keshanapalli of Mutharam	None
1	Mallepalli of Manthani	Mallepalli of Manthani	None
3	Somanpalli of Anthergaon	Somanpalli of Anthergaon	None
4	Lonkakesaram of Ramagiri	Lonkakesaram of Ramagiri	None
5	Battupalli of Manthani	Battupalli of Manthani	None
6	Dubbapalli of Manthani	Dubbapalli of Manthani	None
7	Potharam of Manthani	Potharam of Manthani	None
8	Palitham of Peddapalli	Palitham of Peddapalli	None
9	Devunipalli of Peddapalli	Devunipalli of Peddapalli	None
10	Rajapur of Ramagiri	Rajapur of Ramagiri	None
11	Odedu of Mutharam	Odedu of Mutharam	None
12	Peddampet of Anthergaon	Peddampet of Anthergaon	None
13	Narayanapalli of Eligaid	Narayanapalli of Eligaid	None
14	GP Lakkaram\nMPP Mutharam	GP Lakkaram\nMPP Mutharam	None
15	Kapulapalli of Peddapalli	Kapulapalli of Peddapalli	None
16	Nagepalli of Ramagiri	Nagepalli of Ramagiri	None
17	Begumpet of Ramagiri	Begumpet of Ramagiri	None
18	Kothapalli of Palakurthi	Kothapalli of Palakurthi	None
19	Madaka of Odela	Madaka of Odela	None
20	Kunaram of Srirampur	Kunaram of Srirampur	None
21	Eklaspur of Anthergoan	Eklaspur of Anthergoan	None
22	Kurmapalli \nMandal Peddapalli	Kurmapalli \nMandal Peddapalli	None
23	Medaram of Dharmaram	Medaram of Dharmaram	None
24	Budhavarampet of Ramagiri	Budhavarampet of Ramagiri	None
25	Vennampalli of Srirampur	Vennampalli of Srirampur	None
26	Kannala of Palakurthi Mandal	Kannala of Palakurthi Mandal	None
27	Kachapur of Julapalli Mandal	Kachapur of Julapalli Mandal	None
28	Julapalli of Julapalli Mandal	Julapalli of Julapalli Mandal	None
29	Regadamaddikunta of Sulthanabad	Regadamaddikunta of Sulthanabad	None
30	Potyala of Anthergoam Mandal	Potyala of Anthergoam Mandal	None

	gp name with mandal	GP_NAME	MANDAL_NAME
31	Nittoor of Peddapalli Mandal	Nittoor of Peddapalli Mandal	None
32	Peddapur of Julapalli	Peddapur of Julapalli	None
33	Chillapalli of Manthani	Chillapalli of Manthani	None
35	Bhittupalli of Manthani	Bhittupalli of Manthani	None
36	Sambaiahpalli of Sulthanabad	Sambaiahpalli of Sulthanabad	None
37	Gollapalli of Sulthanabad	Gollapalli of Sulthanabad	None
38	Bonthakuntapalli of Sulthanabad	Bonthakuntapalli of Sulthanabad	None
40	Esalathakkallapalli of Palakurthi	Esalathakkallapalli of Palakurthi	None
41	Kanukula of Sulthanabad	Kanukula of Sulthanabad	None
42	Madipalli Colony of Srirampur	Madipalli Colony of Srirampur	None
43	Kistampet of Srirampur	Kistampet of Srirampur	None
44	Konaraopeta of Julapalli	Konaraopeta of Julapalli	None
45	Naryanaopalli of Sulthanabad	Naryanaopalli of Sulthanabad	None
46	Venkatapur of Manthani	Venkatapur of Manthani	None
47	Pandilla of Srirampur	Pandilla of Srirampur	None
50	Brahmanpalli of Anthergaon	Brahmanpalli of Anthergaon	None
51	Maidupalli of Manthani	Maidupalli of Manthani	None
52	Dharmaram of Dharmaram	Dharmaram of Dharmaram	None
53	Komira of Odela	Komira of Odela	None
55	Kothapally of Dharmaram	Kothapally of Dharmaram	None
56	Basanthnagar of Palakurthi	Basanthnagar of Palakurthi	None
58	Gumnoor of Manthani	Gumnoor of Manthani	None
60	Chinaodela of Manthani	Chinaodela of Manthani	None
61	Ramaraopalli of Palakurthi	Ramaraopalli of Palakurthi	None
62	Nagarampalli of Manthani	Nagarampalli of Manthani	None
63	Ramaiahpalli of Dharmaram	Ramaiahpalli of Dharmaram	None
64	Undeda of Palakurthi	Undeda of Palakurthi	None
65	Akenapalli of Anthergaon	Akenapalli of Anthergaon	None
67	Guntoorpalli of Palakurthi	Guntoorpalli of Palakurthi	None
68	Adivarampet of Ramagiri	Adivarampet of Ramagiri	None

	gp name with mandal	GP_NAME	MANDAL_NAME
69	Nayakampally of Dharmaram	Nayakampally of Dharmaram	None
70	Kothapalli (New) of Dharmaram	Kothapalli (New) of Dharmaram	None
73	Maredupalli of Palakurthi	Maredupalli of Palakurthi	None
74	Mangapeta of Srirampur	Mangapeta of Srirampur	None
75	Mallapur of Dharmaram	Mallapur of Dharmaram	None
76	Gudipalli of Palakurthi	Gudipalli of Palakurthi	None
79	Peddampet of Srirampur	Peddampet of Srirampur	None
80	Maddiryala of Anthergaon	Maddiryala of Anthergaon	None
82	Dubbapalli of Sulthanabad	Dubbapalli of Sulthanabad	None
83	Rachapalli of Manthani	Rachapalli of Manthani	None
84	G.P. Kakarlapalli of Manthani	G.P. Kakarlapalli of Manthani	None
85	GP Andugulapalli\nMandal Peddapalli	GP Andugulapalli\nMandal Peddapalli	None
86	GP Beemarapally\nMPP Odela	GP Beemarapally\nMPP Odela	None
87	Ippalapalli of Srirampur	Ippalapalli of Srirampur	None
88	Telukunta of Julapalli	Telukunta of Julapalli	None
89	Perapalli of Kamanpur	Perapalli of Kamanpur	None
90	Haripuram of Odela	Haripuram of Odela	None
91	Rachapalli of Dharmaram	Rachapalli of Dharmaram	None
92	Ramunipalli of Sulthanabad	Ramunipalli of Sulthanabad	None
93	Vemnoor of Palakurthi	Vemnoor of Palakurthi	None
94	Gopalraopet of Dharmaram	Gopalraopet of Dharmaram	None
95	Shivapalli of Eligaid	Shivapalli of Eligaid	None
96	Upparapally of Odela	Upparapally of Odela	None
97	Chandanapur of Ramagiri	Chandanapur of Ramagiri	None
98	Rompikunta of Kamanpur	Rompikunta of Kamanpur	None
99	Suraiahpalli of Manthani	Suraiahpalli of Manthani	None
101	Mallaram of Manthani	Mallaram of Manthani	None
102	Nimmanapalli of Peddapalli	Nimmanapalli of Peddapalli	None
103	Garrepalli of Sulthanabad	Garrepalli of Sulthanabad	None
104	Narsingapur of Dharmaram	Narsingapur of Dharmaram	None

	gp name with mandal	GP_NAME	MANDAL_NAME
105	Eligaid of Eligaid	Eligaid of Eligaid	None
106	Khanapur of Manthani	Khanapur of Manthani	None
107	Lokapeta of Eligaid	Lokapeta of Eligaid	None
108	Pannur of Ramagiri	Pannur of Ramagiri	None
109	Gudem of Odela	Gudem of Odela	None
110	Pegadapalli of Srirampur	Pegadapalli of Srirampur	None
111	Devunipalli of Sulthanabad	Devunipalli of Sulthanabad	None
112	Vilochavaram of Manthani	Vilochavaram of Manthani	None
113	Kodurupaka of Sulthanabad	Kodurupaka of Sulthanabad	None
114	Burhanmiyapet of Eligaid	Burhanmiyapet of Eligaid	None
115	Lambadithanda (B) of Dharmaram	Lambadithanda (B) of Dharmaram	None
116	Brahmanpalli of Peddapalli	Brahmanpalli of Peddapalli	None
117	Mirzampet of Srirampur	Mirzampet of Srirampur	None
118	Edulapur of Srirampur	Edulapur of Srirampur	None
119	Neerukulla of Sulthanabad	Neerukulla of Sulthanabad	None
120	Miyapur of Sulthanabad	Miyapur of Sulthanabad	None
121	Banjerupalli of dharmaram	Banjerupalli of dharmaram	None
122	Chamanapalli of Dharmaram	Chamanapalli of Dharmaram	None
123	Narsapur of Eligaid	Narsapur of Eligaid	None
124	Kanagarthi of Peddapalli	Kanagarthi of Peddapalli	None
125	Jeelakunta of Odela	Jeelakunta of Odela	None
126	Uppatla of Manthani	Uppatla of Manthani	None
127	Motlapalli of Srirampur	Motlapalli of Srirampur	None
128	Maredugonda of Peddapalli	Maredugonda of Peddapalli	None
129	Chinnarathpalli of Srirampur	Chinnarathpalli of Srirampur	None
130	Perkapalli of Dharmaram	Perkapalli of Dharmaram	None
131	Venkatraopalli of Julapalli	Venkatraopalli of Julapalli	None
132	Mustyala of Ramagiri	Mustyala of Ramagiri	None
133	Peddakalvala of Peddapalli	Peddakalvala of Peddapalli	None
134	Julapalli of Kamanpur	Julapalli of Kamanpur	None

	gp name with mandal	GP_NAME	MANDAL_NAME
135	Nagaram of Manthani	Nagaram of Manthani	None
136	Putnoor of Palakurthi	Putnoor of Palakurthi	None
137	Bamlanayakthanda of Palakurthi	Bamlanayakthanda of Palakurthi	None
138	Palakurthy of Palakurthi	Palakurthy of Palakurthi	None
139	Sundilla of Ramagiri	Sundilla of Ramagiri	None
140	Arepalli of Srirampur	Arepalli of Srirampur	None
141	Yellampalli of Anthergaon	Yellampalli of Anthergaon	None
142	Kolanur of Odela	Kolanur of Odela	None
143	Adavisomanpalli of Manthani	Adavisomanpalli of Manthani	None
144	Chinnabonkur of Sulthanabad	Chinnabonkur of Sulthanabad	None
145	Ashannapalli of Srirampur	Ashannapalli of Srirampur	None
146	Peddabonkur of Peddapalli	Peddabonkur of Peddapalli	None
147	Gattepalli of Sulthanabad	Gattepalli of Sulthanabad	None
148	Cheekurai of Peddapalli	Cheekurai of Peddapalli	None
149	Jallaram of Ramagiri	Jallaram of Ramagiri	None
150	Kannala of Manthani	Kannala of Manthani	None
151	Arenda of Manthani	Arenda of Manthani	None
152	Gundlapalli of Odela	Gundlapalli of Odela	None
153	Erraguntapalli of \nDharmaram	Erraguntapalli of \nDharmaram	None
154	Gopalpur of Manthani	Gopalpur of Manthani	None
155	Roopnaraynapet of Odela	Roopnaraynapet of Odela	None
156	Nagaram of Kamanpur	Nagaram of Kamanpur	None
157	Gundaram of Kamanpur	Gundaram of Kamanpur	None
158	Maidambanda of Mutharam	Maidambanda of Mutharam	None
159	Sabbitham of Peddapalli	Sabbitham of Peddapalli	None
160	Bestapalli of Manthani	Bestapalli of Manthani	None
161	Eklaspur of Manthani	Eklaspur of Manthani	None
162	Seethampeta of Mutharam	Seethampeta of Mutharam	None
163	Bhupathipur of Sulthanabad	Bhupathipur of Sulthanabad	None
165	Nawabpet of Ramagiri	Nawabpet of Ramagiri	None

	gp name with mandal	GP_NAME	MANDAL_NAME
166	GP Malyala of Srirampur Mandal	GP Malyala of Srirampur Mandal	None
167	Puttapaka of Manthani	Puttapaka of Manthani	None
168	Chinnakalvala of Sulthanabad	Chinnakalvala of Sulthanabad	None
169	GP Sayampet of Dharmaram	GP Sayampet of Dharmaram	None
170	GP Narsimhulapally of Dharmaram	GP Narsimhulapally of Dharmaram	None
171	Allipur of Sulthanabad	Allipur of Sulthanabad	None
172	Abbidipally\nMPP Odela	Abbidipally\nMPP Odela	None
173	GP Buchaiahpalli of Dharmaram	GP Buchaiahpalli of Dharmaram	None
174	Ranapur of Palakurthi	Ranapur of Palakurthi	None
175	Bompalli of Peddapalli Mandal	Bompalli of Peddapalli Mandal	None
176	TTs Anthargoan of Anthergaon	TTs Anthargoan of Anthergaon	None
177	Akkepalli of Manthani	Akkepalli of Manthani	None
178	Manchirami of Sulthanabad Mandal	Manchirami of Sulthanabad Mandal	None
179	Goparapalli of Odela	Goparapalli of Odela	None
180	Jayyaram of Palakurthi	Jayyaram of Palakurthi	None
181	Nagulapalli\nMPP Julapalli	Nagulapalli\nMPP Julapalli	None
182	GP Paidichintalapalli of Dharmaram	GP Paidichintalapalli of Dharmaram	None
183	Kukkalagudur of Palakurthi	Kukkalagudur of Palakurthi	None
184	SHANAGONDA\nMPP Odela	SHANAGONDA\nMPP Odela	None
185	Keechulatapalli of Julapalli	Keechulatapalli of Julapalli	None
186	Bommareddipalli of Dharmaram	Bommareddipalli of Dharmaram	None
187	Lalapalli of Eligaid	Lalapalli of Eligaid	None
188	Ghanshyamdas Nagar of Palakurthi	Ghanshyamdas Nagar of Palakurthi	None
189	Murmoor of Anthergaon	Murmoor of Anthergaon	None
190	Narsaiahpalli of Sulthanabad	Narsaiahpalli of Sulthanabad	None
191	Gurrampalli \nMandal Peddapalli	Gurrampalli \nMandal Peddapalli	None
192	GP Khilavanaparthi of Dharmaram	GP Khilavanaparthi of Dharmaram	None
193	Gajulapalli of Manthani	Gajulapalli of Manthani	None
194	GP Haripuram\nMPP Mutharam	GP Haripuram\nMPP Mutharam	None

	gp name with mandal	GP_NAME	MANDAL_NAME
195	Rayadandi of Anthergaon	Rayadandi of Anthergaon	None
196	Laxmipur of Srirampur	Laxmipur of Srirampur	None
197	Lakkepur of Manthani	Lakkepur of Manthani	None
198	Pittalayellaiahpalli of Odela	Pittalayellaiahpalli of Odela	None
199	Siddipalli of Kamanpur	Siddipalli of Kamanpur	None
200	GP Machupeta\nMPP Mutharam	GP Machupeta\nMPP Mutharam	None
201	Lambadithanda K of Dharmaram	Lambadithanda K of Dharmaram	None
202	Gumpula of \nOdela	Gumpula of \nOdela	None
203	Goliwada of Anthergoan	Goliwada of Anthergoan	None
204	Ankampalli of Srirampur	Ankampalli of Srirampur	None
205	Jafferkhanpet of Srirampur	Jafferkhanpet of Srirampur	None
206	Elkalapalli of Palakurthi	Elkalapalli of Palakurthi	None
207	Naryanpur of Sulthanabad	Naryanpur of Sulthanabad	None
208	Penchikalpet of Kamanpur	Penchikalpet of Kamanpur	None
209	Dhulikatta of Eligaid	Dhulikatta of Eligaid	None
210	Odela of Odela	Odela of Odela	None
211	Peddarathpalli of Srirampur	Peddarathpalli of Srirampur	None
212	Kandunooripalli of Sulthanabad	Kandunooripalli of Sulthanabad	None
213	Gunjapadugu of Manthani	Gunjapadugu of Manthani	None
214	Suddala of Sulthanabad	Suddala of Sulthanabad	None
215	Namsnipalli of Odela	Namsnipalli of Odela	None
216	Khanampalli of Dharmaram	Khanampalli of Dharmaram	None
217	Muppirthota of Eligaid	Muppirthota of Eligaid	None
218	Botlavanaparthi of Dharmaram	Botlavanaparthi of Dharmaram	None
219	Katnapalli of Sulthanabad	Katnapalli of Sulthanabad	None
220	Thoggarai of Sulthanabad	Thoggarai of Sulthanabad	None
221	Raghavapoort of Peddapalli	Raghavapoort of Peddapalli	None
222	Gangaram of Srirampur	Gangaram of Srirampur	None
223	Kammarkhanpet of Dharmaram	Kammarkhanpet of Dharmaram	None
224	Ladnapur of Ramagiri	Ladnapur of Ramagiri	None

	gp name with mandal	GP_NAME	MANDAL_NAME
225	Kalwacherla of Ramagiri	Kalwacherla of Ramagiri	None
226	Itharajpalli of Sulthanabad	Itharajpalli of Sulthanabad	None
227	Kothur of Dharmaram	Kothur of Dharmaram	None
228	Wadkapur of Julapalli	Wadkapur of Julapalli	None
229	Kothapalli of Peddapalli	Kothapalli of Peddapalli	None
230	Kadambapur of Sulthanabad	Kadambapur of Sulthanabad	None
231	Anthergaon of Anthergoan	Anthergaon of Anthergoan	None
232	Tharupalli of Srirampur	Tharupalli of Srirampur	None
233	Elakalapalligate of Palakurthi	Elakalapalligate of Palakurthi	None
234	Rampalli of Peddapalli	Rampalli of Peddapalli	None
235	GP Venkatraopalli of Ramagiri	GP Venkatraopalli of Ramagiri	None
236	Kanagarthi of Odela	Kanagarthi of Odela	None
237	Lingapur of Anthergoan	Lingapur of Anthergoan	None
238	Srirampur of Srirampur	Srirampur of Srirampur	None
239	Rangapur of Peddapalli	Rangapur of Peddapalli	None
240	G.P. Lakkepur of Manthani	G.P. Lakkepur of Manthani	None
241	Ratnapur of Ramagiri	Ratnapur of Ramagiri	None
242	Katikenapalli of Dharmaram	Katikenapalli of Dharmaram	None
243	Khansabpet of Manthani	Khansabpet of Manthani	None
244	Bayammapalli of Odela	Bayammapalli of Odela	None
245	POTHKAPALLY\nMPP Odela	POTHKAPALLY\nMPP Odela	None
246	Sulthanpur of Eligaid	Sulthanpur of Eligaid	None
247	GP Pathipaka of Dharmaram	GP Pathipaka of Dharmaram	None
248	Esampet of Anthergoan	Esampet of Anthergoan	None
249	Gollapalli of Kamanpur	Gollapalli of Kamanpur	None
250	Indurthi of Odela	Indurthi of Odela	None
251	GP Munjampalli,MPP Palakurthi	GP Munjampalli,MPP Palakurthi	None
252	Khammampalli of \nMutharam	Khammampalli of \nMutharam	None
253	Kundanapalli of Anthergoan	Kundanapalli of Anthergoan	None
254	Madipalli of Srirampur	Madipalli of Srirampur	None

	gp name with mandal	GP_NAME	MANDAL_NAME
255	Abbapur of \nJulapalli	Abbapur of \nJulapalli	None
256	Ramulapalli of Eligaid	Ramulapalli of Eligaid	None
257	Rakaldevpalli of Eligaid	Rakaldevpalli of Eligaid	None
258	Gadalapalli Of Manthani Mandal	Gadalapalli Of Manthani Mandal	None
259	Potharam of Mutharam	Potharam of Mutharam	None
260	Parupalli of Mutharam	Parupalli of Mutharam	None
261	Nagepalli of Manthani	Nagepalli of Manthani	None
262	Ramulapalli of Eligaid	Ramulapalli of Eligaid	None

## Split the column into two new columns

""" str.split(r"\s+of\s+|\s+Of\s+", expand=True) splits the string based on either ' of ' or ' Of ', regardless of whether it's lowercase or uppercase. The | operator is used to include both variations in the split condition."""

```
In [22]: data[['GP_NAME', 'MANDAL_NAME']] = data['gp name with mandal'].str.split(r"\s+of\s+|\s+
```

```
In [23]: data.isnull().sum()
```

```
Out[23]: gp name with mandal      0
          GP_NAME            0
          MANDAL_NAME        12
          dtype: int64
```

```
In [24]: data[(data['MANDAL_NAME'].isna())]
```

Out[24]:

	gp name with mandal	GP_NAME	MANDAL_NAME
14	GP Lakkaram\nMPP Mutharam	GP Lakkaram\nMPP Mutharam	None
22	Kurmapalli \nMandal Peddapalli	Kurmapalli \nMandal Peddapalli	None
85	GP Andugulapalli\nMandal Peddapalli	GP Andugulapalli\nMandal Peddapalli	None
86	GP Beemarapally\nMPP Odela	GP Beemarapally\nMPP Odela	None
172	Abbidipally\nMPP Odela	Abbidipally\nMPP Odela	None
181	Nagulapalli\nMPP Julapalli	Nagulapalli\nMPP Julapalli	None
184	SHANAGONDA\nMPP Odela	SHANAGONDA\nMPP Odela	None
191	Gurrampalli \nMandal Peddapalli	Gurrampalli \nMandal Peddapalli	None
194	GP Haripuram\nMPP Mutharam	GP Haripuram\nMPP Mutharam	None
200	GP Machupeta\nMPP Mutharam	GP Machupeta\nMPP Mutharam	None
245	POTHKAPALLY\nMPP Odela	POTHKAPALLY\nMPP Odela	None
251	GP Munjampalli,MPP Palakurthi	GP Munjampalli,MPP Palakurthi	None

In [25]: `data[['GP_NAME', 'MANDAL_NAME']] = data['gp name with mandal'].str.split(r"\s+of\s+|\s")`In [26]: `data`

Out[26]:

	gp name with mandal	GP_NAME	MANDAL_NAME
0	Keshanapalli of Mutharam	Keshanapalli	Mutharam
1	Mallepalli of Manthani	Mallepalli	Manthani
2	Kasulapalli\nof Peddapalli	Kasulapalli	Peddapalli
3	Somanpalli of Anthergaon	Somanpalli	Anthergaon
4	Lonkakesaram of Ramagiri	Lonkakesaram	Ramagiri
5	Battupalli of Manthani	Battupalli	Manthani
6	Dubbapalli of Manthani	Dubbapalli	Manthani
7	Potharam of Manthani	Potharam	Manthani
8	Palitham of Peddapalli	Palitham	Peddapalli
9	Devunipalli of Peddapalli	Devunipalli	Peddapalli
10	Rajapur of Ramagiri	Rajapur	Ramagiri
11	Odedu of Mutharam	Odedu	Mutharam
12	Peddampet of Anthergaon	Peddampet	Anthergaon
13	Narayanapalli of Eligaid	Narayanapalli	Eligaid
14	GP Lakkaram\nMPP Mutharam	GP Lakkaram	Mutharam
15	Kapulapalli of Peddapalli	Kapulapalli	Peddapalli
16	Nagepalli of Ramagiri	Nagepalli	Ramagiri
17	Begumpet of Ramagiri	Begumpet	Ramagiri
18	Kothapalli of Palakurthi	Kothapalli	Palakurthi
19	Madaka of Odela	Madaka	Odela
20	Kunaram of Srirampur	Kunaram	Srirampur
21	Eklaspur of Anthergoan	Eklaspur	Anthergoan
22	Kurmapalli \nMandal Peddapalli	Kurmapalli \nMandal Peddapalli	None
23	Medaram of Dharmaram	Medaram	Dharmaram
24	Budhavarampet of Ramagiri	Budhavarampet	Ramagiri
25	Vennampalli of Srirampur	Vennampalli	Srirampur
26	Kannala of Palakurthi Mandal	Kannala	Palakurthi Mandal
27	Kachapur of Julapalli Mandal	Kachapur	Julapalli Mandal
28	Julapalli of Julapalli Mandal	Julapalli	Julapalli Mandal
29	Regadamaddikunta of Sulthanabad	Regadamaddikunta	Sulthanabad

	gp name with mandal	GP_NAME	MANDAL_NAME
30	Potyala of Anthergoam Mandal	Potyala	Anthergoam Mandal
31	Nittoor of Peddapalli Mandal	Nittoor	Peddapalli Mandal
32	Peddapur of Julapalli	Peddapur	Julapalli
33	Chillapalli of Manthani	Chillapalli	Manthani
34	Kummarikunta\nof Julapalli	Kummarikunta	Julapalli
35	Bhittupalli of Manthani	Bhittupalli	Manthani
36	Sambaiahpalli of Sulthanabad	Sambaiahpalli	Sulthanabad
37	Gollapalli of Sulthanabad	Gollapalli	Sulthanabad
38	Bonthakuntapalli of Sulthanabad	Bonthakuntapalli	Sulthanabad
39	Mulasala\nof Peddapalli	Mulasala	Peddapalli
40	Esalathakkallapalli of Palakurthi	Esalathakkallapalli	Palakurthi
41	Kanukula of Sulthanabad	Kanukula	Sulthanabad
42	Madipalli Colony of Srirampur	Madipalli Colony	Srirampur
43	Kistampet of Srirampur	Kistampet	Srirampur
44	Konaraopeta of Julapalli	Konaraopeta	Julapalli
45	Naryanraopalli of Sulthanabad	Naryanraopalli	Sulthanabad
46	Venkatapur of Manthani	Venkatapur	Manthani
47	Pandilla of Srirampur	Pandilla	Srirampur
48	Gopaiahpalli\nof Peddapalli	Gopaiahpalli	Peddapalli
49	Balarajpalli\nof Julapalli	Balarajpalli	Julapalli
50	Brahmanpalli of Anthergaon	Brahmanpalli	Anthergaon
51	Maidupalli of Manthani	Maidupalli	Manthani
52	Dharmaram of Dharmaram	Dharmaram	Dharmaram
53	Komira of Odela	Komira	Odela
54	Bhojannapeta\nof Peddapalli	Bhojannapeta	Peddapalli
55	Kothapally of Dharmaram	Kothapally	Dharmaram
56	Basanthnagar of Palakurthi	Basanthnagar	Palakurthi
57	Goureddypeta\nof Peddapalli	Goureddypeta	Peddapalli
58	Gumnoor of Manthani	Gumnoor	Manthani
59	Mutharam\nof Mutharam	Mutharam	Mutharam

	gp name with mandal	GP_NAME	MANDAL_NAME
60	Chinaodela of Manthani	Chinaodela	Manthani
61	Ramaraopalli of Palakurthi	Ramaraopalli	Palakurthi
62	Nagarampalli of Manthani	Nagarampalli	Manthani
63	Ramaiahpalli of Dharmaram	Ramaiahpalli	Dharmaram
64	Undeda of Palakurthi	Undeda	Palakurthi
65	Akenapalli of Anthergaon	Akenapalli	Anthergaon
66	Appannapeta\nof Peddapalli	Appannapeta	Peddapalli
67	Guntoorpalli of Palakurthi	Guntoorpalli	Palakurthi
68	Adivarampet of Ramagiri	Adivarampet	Ramagiri
69	Nayakampally of Dharmaram	Nayakampally	Dharmaram
70	Kothapalli (New) of Dharmaram	Kothapalli (New)	Dharmaram
71	Adavisrirampur \nof Mutharam	Adavisrirampur	Mutharam
72	Reginedu\nof Peddapalli	Reginedu	Peddapalli
73	Maredupalli of Palakurthi	Maredupalli	Palakurthi
74	Mangapeta of Srirampur	Mangapeta	Srirampur
75	Mallapur of Dharmaram	Mallapur	Dharmaram
76	Gudipalli of Palakurthi	Gudipalli	Palakurthi
77	Daryapur\nof Mutharam	Daryapur	Mutharam
78	Cheemalapeta\nof Julapalli	Cheemalapeta	Julapalli
79	Peddampet of Srirampur	Peddampet	Srirampur
80	Maddiryala of Anthergaon	Maddiryala	Anthergaon
81	Thurukalamaddikunta\nof Peddapalli	Thurukalamaddikunta	Peddapalli
82	Dubbapalli of Sulthanabad	Dubbapalli	Sulthanabad
83	Rachapalli of Manthani	Rachapalli	Manthani
84	G.P. Kakarlapalli of Manthani	G.P. Kakarlapalli	Manthani
85	GP Andugulapalli\nMandal Peddapalli	GP Andugulapalli\nMandal Peddapalli	None
86	GP Beemarapally\nMPP Odela	GP Beemarapally	Odela
87	Ippalapalli of Srirampur	Ippalapalli	Srirampur
88	Telukunta of Julapalli	Telukunta	Julapalli

	gp name with mandal	GP_NAME	MANDAL_NAME
89	Perapalli of Kamanpur	Perapalli	Kamanpur
90	Haripuram of Odela	Haripuram	Odela
91	Rachapalli of Dharmaram	Rachapalli	Dharmaram
92	Ramunipalli of Sulthanabad	Ramunipalli	Sulthanabad
93	Vemnoor of Palakurthi	Vemnoor	Palakurthi
94	Gopalraopet of Dharmaram	Gopalraopet	Dharmaram
95	Shivapalli of Eligaid	Shivapalli	Eligaid
96	Upparapally of Odela	Upparapally	Odela
97	Chandanapur of Ramagiri	Chandanapur	Ramagiri
98	Rompikunta of Kamanpur	Rompikunta	Kamanpur
99	Suraiahpalli of Manthani	Suraiahpalli	Manthani
100	Hanumanthunipeta \nof Peddapalli	Hanumanthunipeta	Peddapalli
101	Mallaram of Manthani	Mallaram	Manthani
102	Nimmannapalli of Peddapalli	Nimmannapalli	Peddapalli
103	Garrepalli of Sulthanabad	Garrepalli	Sulthanabad
104	Narsingapur of Dharmaram	Narsingapur	Dharmaram
105	Eligaid of Eligaid	Eligaid	Eligaid
106	Khanapur of Manthani	Khanapur	Manthani
107	Lokapeta of Eligaid	Lokapeta	Eligaid
108	Pannur of Ramagiri	Pannur	Ramagiri
109	Gudem of Odela	Gudem	Odela
110	Pegadapalli of Srirampur	Pegadapalli	Srirampur
111	Devunipalli of Sulthanabad	Devunipalli	Sulthanabad
112	Vilochavaram of Manthani	Vilochavaram	Manthani
113	Kodurupaka of Sulthanabad	Kodurupaka	Sulthanabad
114	Burhanmiyapet of Eligaid	Burhanmiyapet	Eligaid
115	Lambadithanda (B) of Dharmaram	Lambadithanda (B)	Dharmaram
116	Brahmanpalli of Peddapalli	Brahmanpalli	Peddapalli
117	Mirzampet of Srirampur	Mirzampet	Srirampur
118	Edulapur of Srirampur	Edulapur	Srirampur

	gp name with mandal	GP_NAME	MANDAL_NAME
119	Neerukulla of Sulthanabad	Neerukulla	Sulthanabad
120	Miyapur of Sulthanabad	Miyapur	Sulthanabad
121	Banjerupalli of dharmaram	Banjerupalli	dharmaram
122	Chamanapalli of Dharmaram	Chamanapalli	Dharmaram
123	Narsapur of Eligaid	Narsapur	Eligaid
124	Kanagarthi of Peddapalli	Kanagarthi	Peddapalli
125	Jeelakunta of Odela	Jeelakunta	Odela
126	Uppatla of Manthani	Uppatla	Manthani
127	Motlapalli of Srirampur	Motlapalli	Srirampur
128	Maredugonda of Peddapalli	Maredugonda	Peddapalli
129	Chinnarathpalli of Srirampur	Chinnarathpalli	Srirampur
130	Perkapalli of Dharmaram	Perkapalli	Dharmaram
131	Venkatraopalli of Julapalli	Venkatraopalli	Julapalli
132	Mustyala of Ramagiri	Mustyala	Ramagiri
133	Peddakalvala of Peddapalli	Peddakalvala	Peddapalli
134	Julapalli of Kamanpur	Julapalli	Kamanpur
135	Nagaram of Manthani	Nagaram	Manthani
136	Putnoor of Palakurthi	Putnoor	Palakurthi
137	Bamlanayakthanda of Palakurthi	Bamlanayakthanda	Palakurthi
138	Palakurthy of Palakurthi	Palakurthy	Palakurthi
139	Sundilla of Ramagiri	Sundilla	Ramagiri
140	Arepalli of Srirampur	Arepalli	Srirampur
141	Yellampalli of Anthergaon	Yellampalli	Anthergaon
142	Kolanur of Odela	Kolanur	Odela
143	Adavisomanpalli of Manthani	Adavisomanpalli	Manthani
144	Chinnabonkur of Sulthanabad	Chinnabonkur	Sulthanabad
145	Ashannapalli of Srirampur	Ashannapalli	Srirampur
146	Peddabonkur of Peddapalli	Peddabonkur	Peddapalli
147	Gattepalli of Sulthanabad	Gattepalli	Sulthanabad
148	Cheekurai of Peddapalli	Cheekurai	Peddapalli

	gp name with mandal	GP_NAME	MANDAL_NAME
149	Jallaram of Ramagiri	Jallaram	Ramagiri
150	Kannala of Manthani	Kannala	Manthani
151	Arenda of Manthani	Arenda	Manthani
152	Gundlapalli of Odela	Gundlapalli	Odela
153	Erraguntapalli of \nDharmaram	Erraguntapalli	Dharmaram
154	Gopalpur of Manthani	Gopalpur	Manthani
155	Roopnaraynapet of Odela	Roopnaraynapet	Odela
156	Nagaram of Kamanpur	Nagaram	Kamanpur
157	Gundaram of Kamanpur	Gundaram	Kamanpur
158	Maidambanda of Mutharam	Maidambanda	Mutharam
159	Sabbitham of Peddapalli	Sabbitham	Peddapalli
160	Bestapalli of Manthani	Bestapalli	Manthani
161	Eklaspur of Manthani	Eklaspur	Manthani
162	Seethampeta of Mutharam	Seethampeta	Mutharam
163	Bhupathipur of Sulthanabad	Bhupathipur	Sulthanabad
164	Mutharam \nof Peddapalli	Mutharam	Peddapalli
165	Nawabpet of Ramagiri	Nawabpet	Ramagiri
166	GP Malyala of Srirampur Mandal	GP Malyala	Srirampur Mandal
167	Puttapaka of Manthani	Puttapaka	Manthani
168	Chinnakalvala of Sulthanabad	Chinnakalvala	Sulthanabad
169	GP Sayampet of Dharmaram	GP Sayampet	Dharmaram
170	GP Narsimhulapally of Dharmaram	GP Narsimhulapally	Dharmaram
171	Allipur of Sulthanabad	Allipur	Sulthanabad
172	Abbidipally\nMPP Odela	Abbidipally	Odela
173	GP Buchaiahpalli of Dharmaram	GP Buchaiahpalli	Dharmaram
174	Ranapur of Palakurthi	Ranapur	Palakurthi
175	Bompalli of Peddapalli Mandal	Bompalli	Peddapalli Mandal
176	TTs Anthargoan of Anthergaon	TTs Anthargoan	Anthergaon
177	Akkepalli of Manthani	Akkepalli	Manthani

	gp name with mandal	GP_NAME	MANDAL_NAME
178	Manchirami of Sulthanabad Mandal	Manchirami	Sulthanabad Mandal
179	Goparapalli of Odela	Goparapalli	Odela
180	Jayyaram of Palakurthi	Jayyaram	Palakurthi
181	Nagulapalli\nMPP Julapalli	Nagulapalli	Julapalli
182	GP Paidichintalapalli of Dharmaram	GP Paidichintalapalli	Dharmaram
183	Kukkalagudur of Palakurthi	Kukkalagudur	Palakurthi
184	SHANAGONDA\nMPP Odela	SHANAGONDA	Odela
185	Keechulatapalli of Julapalli	Keechulatapalli	Julapalli
186	Bommareddipalli of Dharmaram	Bommareddipalli	Dharmaram
187	Lalapalli of Eligaid	Lalapalli	Eligaid
188	Ghanshyamdas Nagar of Palakurthi	Ghanshyamdas Nagar	Palakurthi
189	Murmoor of Anthergaon	Murmoor	Anthergaon
190	Narsaiahpalli of Sulthanabad	Narsaiahpalli	Sulthanabad
191	Gurrampalli \nMandal Peddapalli	Gurrampalli \nMandal Peddapalli	None
192	GP Khilavanaparthi of Dharmaram	GP Khilavanaparthi	Dharmaram
193	Gajulapalli of Manthani	Gajulapalli	Manthani
194	GP Haripuram\nMPP Mutharam	GP Haripuram	Mutharam
195	Rayadandi of Anthergaon	Rayadandi	Anthergaon
196	Laxmipur of Srirampur	Laxmipur	Srirampur
197	Lakkepur of Manthani	Lakkepur	Manthani
198	Pittalayellaiahpalli of Odela	Pittalayellaiahpalli	Odela
199	Siddipalli of Kamanpur	Siddipalli	Kamanpur
200	GP Machupeta\nMPP Mutharam	GP Machupeta	Mutharam
201	Lambadithanda K of Dharmaram	Lambadithanda K	Dharmaram
202	Gumpula of \nOdela	Gumpula	Odela
203	Goliwada of Anthergoan	Goliwada	Anthergoan
204	Ankampalli of Srirampur	Ankampalli	Srirampur
205	Jafferhanpet of Srirampur	Jafferhanpet	Srirampur
206	Elkalapalli of Palakurthi	Elkalapalli	Palakurthi

	gp name with mandal	GP_NAME	MANDAL_NAME
207	Naryanpur of Sulthanabad	Naryanpur	Sulthanabad
208	Penchikalpet of Kamanpur	Penchikalpet	Kamanpur
209	Dhulikatta of Eligaid	Dhulikatta	Eligaid
210	Odela of Odela	Odela	Odela
211	Peddarathpalli of Srirampur	Peddarathpalli	Srirampur
212	Kandunooripalli of Sulthanabad	Kandunooripalli	Sulthanabad
213	Gunjapadugu of Manthani	Gunjapadugu	Manthani
214	Suddala of Sulthanabad	Suddala	Sulthanabad
215	Namsnipalli of Odela	Namsnipalli	Odela
216	Khanampalli of Dharmaram	Khanampalli	Dharmaram
217	Muppirithota of Eligaid	Muppirithota	Eligaid
218	Botlavanaparthi of Dharmaram	Botlavanaparthi	Dharmaram
219	Katnapalli of Sulthanabad	Katnapalli	Sulthanabad
220	Thoggarai of Sulthanabad	Thoggarai	Sulthanabad
221	Raghavapoort of Peddapalli	Raghavapoort	Peddapalli
222	Gangaram of Srirampur	Gangaram	Srirampur
223	Kammarkhanpet of Dharmaram	Kammarkhanpet	Dharmaram
224	Ladnapur of Ramagiri	Ladnapur	Ramagiri
225	Kalwacherla of Ramagiri	Kalwacherla	Ramagiri
226	Itharajpalli of Sulthanabad	Itharajpalli	Sulthanabad
227	Kothur of Dharmaram	Kothur	Dharmaram
228	Wadkapur of Julapalli	Wadkapur	Julapalli
229	Kothapalli of Peddapalli	Kothapalli	Peddapalli
230	Kadambapur of Sulthanabad	Kadambapur	Sulthanabad
231	Anthergaon of Anthergoan	Anthergaon	Anthergoan
232	Tharupalli of Srirampur	Tharupalli	Srirampur
233	Elakalapalligate of Palakurthi	Elakalapalligate	Palakurthi
234	Rampalli of Peddapalli	Rampalli	Peddapalli
235	GP Venkatraopalli of Ramagiri	GP Venkatraopalli	Ramagiri
236	Kanagarthi of Odela	Kanagarthi	Odela

	gp name with mandal	GP_NAME	MANDAL_NAME
237	Lingapur of Anthergoan	Lingapur	Anthergoan
238	Srirampur of Srirampur	Srirampur	Srirampur
239	Rangapur of Peddapalli	Rangapur	Peddapalli
240	G.P. Lakkepur of Manthani	G.P. Lakkepur	Manthani
241	Ratnapur of Ramagiri	Ratnapur	Ramagiri
242	Katikenapalli of Dharmaram	Katikenapalli	Dharmaram
243	Khansabpet of Manthani	Khansabpet	Manthani
244	Bayammapalli of Odela	Bayammapalli	Odela
245	POTHKAPALLY\nMPP Odela	POTHKAPALLY	Odela
246	Sulthanpur of Eligaid	Sulthanpur	Eligaid
247	GP Pathipaka of Dharmaram	GP Pathipaka	Dharmaram
248	Esampet of Anthergoan	Esampet	Anthergoan
249	Gollapalli of Kamanpur	Gollapalli	Kamanpur
250	Indurthi of Odela	Indurthi	Odela
251	GP Munjampalli,MPP Palakurthi	GP Munjampalli,MPP Palakurthi	None
252	Khammampalli of \nMutharam	Khammampalli	Mutharam
253	Kundanapalli of Anthergaon	Kundanapalli	Anthergaon
254	Madipalli of Srirampur	Madipalli	Srirampur
255	Abbapur of \nJulapalli	Abbapur	Julapalli
256	Ramulapalli of Eligaid	Ramulapalli	Eligaid
257	Rakaldevpalli of Eligaid	Rakaldevpalli	Eligaid
258	Gadalapalli Of Manthani Mandal	Gadalapalli	Manthani Mandal
259	Potharam of Mutharam	Potharam	Mutharam
260	Parupalli of Mutharam	Parupalli	Mutharam
261	Nagepalli of Manthani	Nagepalli	Manthani
262	Ramulapalli of Eligaid	Ramulapalli	Eligaid

In [27]: `data.isnull().sum()`

Out[27]:

gp_name_with_mandal	0
GP_NAME	0
MANDAL_NAME	4
dtype:	int64

```
In [28]: data[(data['MANDAL_NAME'].isnull())]
```

Out[28]:

	gp name with mandal	GP_NAME	MANDAL_NAME
22	Kurmapalli \nMandal Peddapalli	Kurmapalli \nMandal Peddapalli	None
85	GP Andugulapalli\nMandal Peddapalli	GP Andugulapalli\nMandal Peddapalli	None
191	Gurrampalli \nMandal Peddapalli	Gurrampalli \nMandal Peddapalli	None
251	GP Munjampalli,MPP Palakurthi	GP Munjampalli,MPP Palakurthi	None

```
In [29]: data[['GP_NAME', 'MANDAL_NAME']] = data['gp name with mandal'].str.split(r"\s+of\s+|\s")
```

```
In [ ]: 'GP' not in data['gp name with mandal']
```

```
In [30]: data.iloc[[85, 240, 251]]
```

Out[30]:

	gp name with mandal	GP_NAME	MANDAL_NAME
85	GP Andugulapalli\nMandal Peddapalli	Andugulapalli	Peddapalli
240	G.P. Lakkepur of Manthani	Lakkepur	Manthani
251	GP Munjampalli,MPP Palakurthi	Munjampalli	Palakurthi

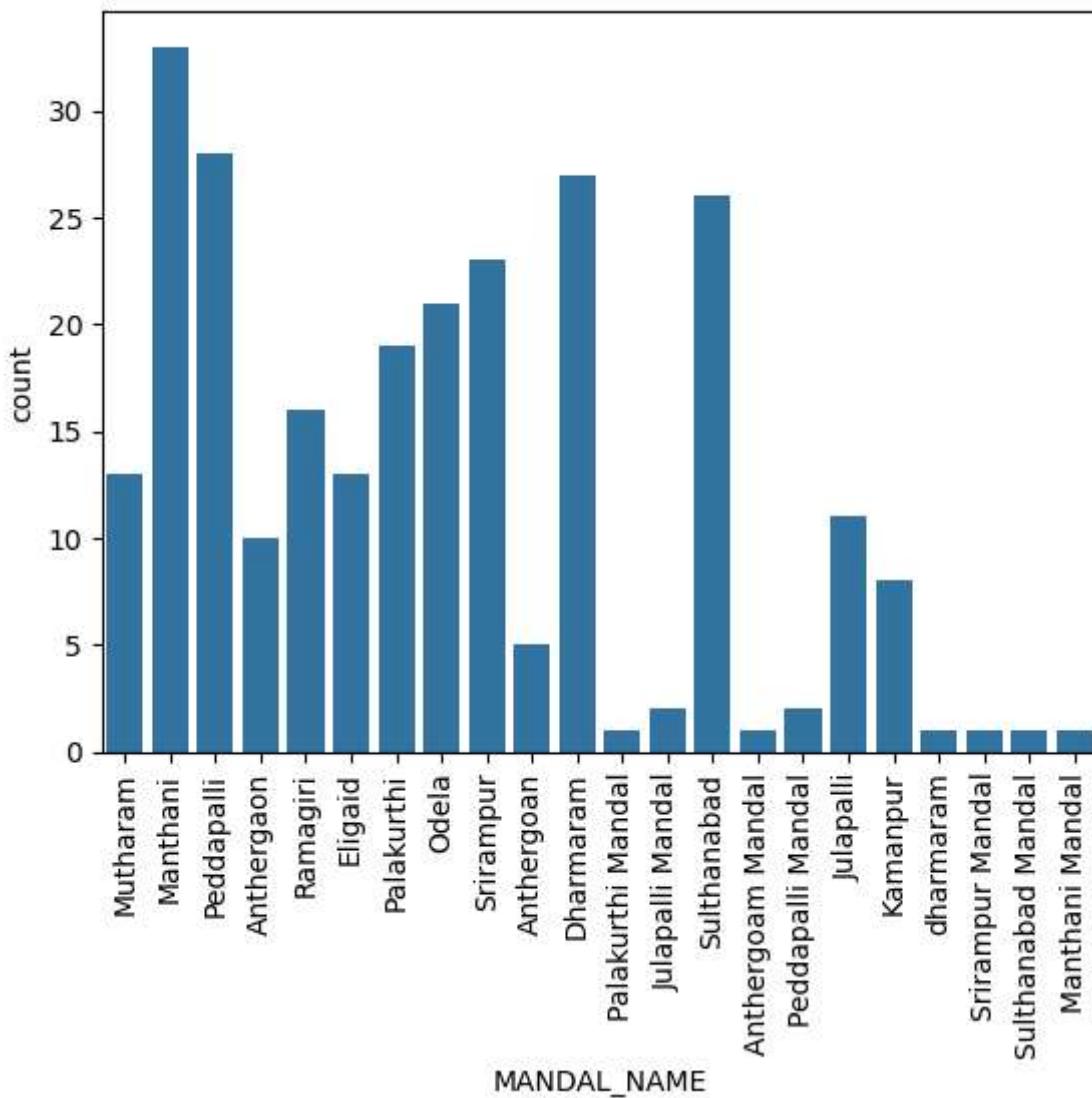
```
In [ ]: data
```

```
In [31]: data['MANDAL_NAME'].value_counts()
```

```
Out[31]: MANDAL_NAME
Manthani           33
Peddapalli        28
Dharmaram         27
Sulthanabad      26
Srirampur         23
Odela              21
Palakurthi        19
Ramagiri           16
Mutharam           13
Eligaid             13
Julapalli          11
Anthergaon         10
Kamanpur            8
Anthergoan          5
Julapalli Mandal    2
Peddapalli Mandal   2
Sulthanabad Mandal  1
Srirampur Mandal    1
Palakurthi Mandal   1
dharmaram            1
Anthergoam Mandal   1
Manthani Mandal     1
Name: count, dtype: int64
```

```
In [32]: sns.countplot(x=data['MANDAL_NAME'])
plt.title("Mandal Wise No. of GPS")
plt.xticks(rotation=90)
plt.show()
```

### Mandal Wise No. of GPs



```
In [33]: pd.crosstab(index = data['MANDAL_NAME'], columns='count').sort_index()
```

Out[33]:

	col_0 count
<b>MANDAL_NAME</b>	
<b>Anthergaon</b>	10
<b>Anthergoam Mandal</b>	1
<b>Anthergoan</b>	5
<b>Dharmaram</b>	27
<b>Eligaid</b>	13
<b>Julapalli</b>	11
<b>Julapalli Mandal</b>	2
<b>Kamanpur</b>	8
<b>Manthani</b>	33
<b>Manthani Mandal</b>	1
<b>Mutharam</b>	13
<b>O dela</b>	21
<b>Palakurthi</b>	19
<b>Palakurthi Mandal</b>	1
<b>Peddapalli</b>	28
<b>Peddapalli Mandal</b>	2
<b>Ramagiri</b>	16
<b>Srirampur</b>	23
<b>Srirampur Mandal</b>	1
<b>Sulthanabad</b>	26
<b>Sulthanabad Mandal</b>	1
<b>dharmaram</b>	1

In [34]: `data['MANDAL_NAME'].nunique()`

Out[34]: 22

In [35]: `data['MANDAL_NAME'].unique()`

```
Out[35]: array(['Mutharam', 'Manthani', 'Peddapalli', 'Anthergaon', 'Ramagiri',
   'Eligaid', 'Palakurthi', 'Odela', 'Srirampur', 'Anthergoan',
   'Dharmaram', 'Palakurthi Mandal', 'Julapalli Mandal',
   'Sulthanabad', 'Anthergoam Mandal', 'Peddapalli Mandal',
   'Julapalli', 'Kamanpur', 'dharmaram', 'Srirampur Mandal',
   'Sulthanabad Mandal', 'Manthani Mandal'], dtype=object)
```

```
In [36]: def replace_values(x):
    if x=='Anthergoam Mandal' or x =='Anthergoan':
        return 'Anthergaon'
    elif x=='dharmaram':
        return 'Dharmaram'
    elif x=='Julapalli Mandal':
        return 'Julapalli'
    elif x=='Manthani Mandal':
        return 'Manthani'
    elif x=='Palakurthi Mandal':
        return 'Palakurthi'
    elif x=='Peddapalli Mandal':
        return 'Peddapalli'
    elif x=='Srirampur Mandal':
        return 'Srirampur'
    elif x=='Sulthanabad Mandal':
        return 'Sulthanabad'
    else:
        return x
```

```
In [37]: data['MANDAL_NAME'].apply(replace_values).unique()
```

```
Out[37]: array(['Mutharam', 'Manthani', 'Peddapalli', 'Anthergaon', 'Ramagiri',
   'Eligaid', 'Palakurthi', 'Odela', 'Srirampur', 'Dharmaram',
   'Julapalli', 'Sulthanabad', 'Kamanpur'], dtype=object)
```

```
In [38]: data['MANDAL_NAME']=data['MANDAL_NAME'].apply(replace_values)
```

```
In [39]: data
```

Out[39]:

	gp name with mandal	GP_NAME	MANDAL_NAME
0	Keshanapalli of Mutharam	Keshanapalli	Mutharam
1	Mallepalli of Manthani	Mallepalli	Manthani
2	Kasulapalli\nof Peddapalli	Kasulapalli	Peddapalli
3	Somanpalli of Anthergaon	Somanpalli	Anthergaon
4	Lonkakesaram of Ramagiri	Lonkakesaram	Ramagiri
5	Battupalli of Manthani	Battupalli	Manthani
6	Dubbapalli of Manthani	Dubbapalli	Manthani
7	Potharam of Manthani	Potharam	Manthani
8	Palitham of Peddapalli	Palitham	Peddapalli
9	Devunipalli of Peddapalli	Devunipalli	Peddapalli
10	Rajapur of Ramagiri	Rajapur	Ramagiri
11	Odedu of Mutharam	Odedu	Mutharam
12	Peddampet of Anthergaon	Peddampet	Anthergaon
13	Narayananpalli of Eligaid	Narayananpalli	Eligaid
14	GP Lakkaram\nMPP Mutharam	Lakkaram	Mutharam
15	Kapulapalli of Peddapalli	Kapulapalli	Peddapalli
16	Nagepalli of Ramagiri	Nagepalli	Ramagiri
17	Begumpet of Ramagiri	Begumpet	Ramagiri
18	Kothapalli of Palakurthi	Kothapalli	Palakurthi
19	Madaka of Odela	Madaka	Odela
20	Kunaram of Srirampur	Kunaram	Srirampur
21	Eklaspur of Anthergoan	Eklaspur	Anthergaon
22	Kurmapalli \nMandal Peddapalli	Kurmapalli	Peddapalli
23	Medaram of Dharmaram	Medaram	Dharmaram
24	Budhavarampet of Ramagiri	Budhavarampet	Ramagiri
25	Vennampalli of Srirampur	Vennampalli	Srirampur
26	Kannala of Palakurthi Mandal	Kannala	Palakurthi
27	Kachapur of Julapalli Mandal	Kachapur	Julapalli
28	Julapalli of Julapalli Mandal	Julapalli	Julapalli
29	Regadamaddikunta of Sulthanabad	Regadamaddikunta	Sulthanabad

	gp name with mandal	GP_NAME	MANDAL_NAME
30	Potyala of Anthergoam Mandal	Potyala	Anthergoan
31	Nittoor of Peddapalli Mandal	Nittoor	Peddapalli
32	Peddapur of Julapalli	Peddapur	Julapalli
33	Chillapalli of Manthani	Chillapalli	Manthani
34	Kummarikunta\nof Julapalli	Kummarikunta	Julapalli
35	Bhittupalli of Manthani	Bhittupalli	Manthani
36	Sambaiahpalli of Sulthanabad	Sambaiahpalli	Sulthanabad
37	Gollapalli of Sulthanabad	Gollapalli	Sulthanabad
38	Bonthakuntapalli of Sulthanabad	Bonthakuntapalli	Sulthanabad
39	Mulasala\nof Peddapalli	Mulasala	Peddapalli
40	Esalathakkallapalli of Palakurthi	Esalathakkallapalli	Palakurthi
41	Kanukula of Sulthanabad	Kanukula	Sulthanabad
42	Madipalli Colony of Srirampur	Madipalli Colony	Srirampur
43	Kistampet of Srirampur	Kistampet	Srirampur
44	Konaraopeta of Julapalli	Konaraopeta	Julapalli
45	Naryanraopalli of Sulthanabad	Naryanraopalli	Sulthanabad
46	Venkatapur of Manthani	Venkatapur	Manthani
47	Pandilla of Srirampur	Pandilla	Srirampur
48	Gopaiahpalli\nof Peddapalli	Gopaiahpalli	Peddapalli
49	Balarajpalli\nof Julapalli	Balarajpalli	Julapalli
50	Brahmanpalli of Anthergoan	Brahmanpalli	Anthergoan
51	Maidupalli of Manthani	Maidupalli	Manthani
52	Dharmaram of Dharmaram	Dharmaram	Dharmaram
53	Komira of Odela	Komira	Odela
54	Bhojannapeta\nof Peddapalli	Bhojannapeta	Peddapalli
55	Kothapally of Dharmaram	Kothapally	Dharmaram
56	Basanthnagar of Palakurthi	Basanthnagar	Palakurthi
57	Goureddypeta\nof Peddapalli	Goureddypeta	Peddapalli
58	Gumnoor of Manthani	Gumnoor	Manthani
59	Mutharam\nof Mutharam	Mutharam	Mutharam

	gp name with mandal	GP_NAME	MANDAL_NAME
60	Chinaodela of Manthani	Chinaodela	Manthani
61	Ramaraopalli of Palakurthi	Ramaraopalli	Palakurthi
62	Nagarampalli of Manthani	Nagarampalli	Manthani
63	Ramaiahpalli of Dharmaram	Ramaiahpalli	Dharmaram
64	Undeda of Palakurthi	Undeda	Palakurthi
65	Akenapalli of Anthergaon	Akenapalli	Anthergaon
66	Appannapeta\nof Peddapalli	Appannapeta	Peddapalli
67	Guntoorpalli of Palakurthi	Guntoorpalli	Palakurthi
68	Adivarampet of Ramagiri	Adivarampet	Ramagiri
69	Nayakampally of Dharmaram	Nayakampally	Dharmaram
70	Kothapalli (New) of Dharmaram	Kothapalli (New)	Dharmaram
71	Adavisrirampur \nof Mutharam	Adavisrirampur	Mutharam
72	Reginedu\nof Peddapalli	Reginedu	Peddapalli
73	Maredupalli of Palakurthi	Maredupalli	Palakurthi
74	Mangapeta of Srirampur	Mangapeta	Srirampur
75	Mallapur of Dharmaram	Mallapur	Dharmaram
76	Gudipalli of Palakurthi	Gudipalli	Palakurthi
77	Daryapur\nof Mutharam	Daryapur	Mutharam
78	Cheemalapeta\nof Julapalli	Cheemalapeta	Julapalli
79	Peddampet of Srirampur	Peddampet	Srirampur
80	Maddiryala of Anthergaon	Maddiryala	Anthergaon
81	Thurukalamaddikunta\nof Peddapalli	Thurukalamaddikunta	Peddapalli
82	Dubbapalli of Sulthanabad	Dubbapalli	Sulthanabad
83	Rachapalli of Manthani	Rachapalli	Manthani
84	G.P. Kakarlapalli of Manthani	Kakarlapalli	Manthani
85	GP Andugulapalli\nMandal Peddapalli	Andugulapalli	Peddapalli
86	GP Beemarapally\nMPP Odela	Beemarapally	Odela
87	Ippalapalli of Srirampur	Ippalapalli	Srirampur
88	Telukunta of Julapalli	Telukunta	Julapalli
89	Perapalli of Kamanpur	Perapalli	Kamanpur

	gp name with mandal	GP_NAME	MANDAL_NAME
90	Haripuram of Odela	Haripuram	Odela
91	Rachapalli of Dharmaram	Rachapalli	Dharmaram
92	Ramunipalli of Sulthanabad	Ramunipalli	Sulthanabad
93	Vemnoor of Palakurthi	Vemnoor	Palakurthi
94	Gopalraopet of Dharmaram	Gopalraopet	Dharmaram
95	Shivapalli of Eligaid	Shivapalli	Eligaid
96	Upparapally of Odela	Upparapally	Odela
97	Chandanapur of Ramagiri	Chandanapur	Ramagiri
98	Rompikunta of Kamanpur	Rompikunta	Kamanpur
99	Suraiahpalli of Manthani	Suraiahpalli	Manthani
100	Hanumanthunipeta \nof Peddapalli	Hanumanthunipeta	Peddapalli
101	Mallaram of Manthani	Mallaram	Manthani
102	Nimmannapalli of Peddapalli	Nimmannapalli	Peddapalli
103	Garrepalli of Sulthanabad	Garrepalli	Sulthanabad
104	Narsingapur of Dharmaram	Narsingapur	Dharmaram
105	Eligaid of Eligaid	Eligaid	Eligaid
106	Khanapur of Manthani	Khanapur	Manthani
107	Lokapeta of Eligaid	Lokapeta	Eligaid
108	Pannur of Ramagiri	Pannur	Ramagiri
109	Gudem of Odela	Gudem	Odela
110	Pegadapalli of Srirampur	Pegadapalli	Srirampur
111	Devunipalli of Sulthanabad	Devunipalli	Sulthanabad
112	Vilochavaram of Manthani	Vilochavaram	Manthani
113	Kodurupaka of Sulthanabad	Kodurupaka	Sulthanabad
114	Burhanmiyapet of Eligaid	Burhanmiyapet	Eligaid
115	Lambadithanda (B) of Dharmaram	Lambadithanda (B)	Dharmaram
116	Brahmanpalli of Peddapalli	Brahmanpalli	Peddapalli
117	Mirzampet of Srirampur	Mirzampet	Srirampur
118	Edulapur of Srirampur	Edulapur	Srirampur
119	Neerukulla of Sulthanabad	Neerukulla	Sulthanabad

	<b>gp name with mandal</b>	<b>GP_NAME</b>	<b>MANDAL_NAME</b>
120	Miyapur of Sulthanabad	Miyapur	Sulthanabad
121	Banjerupalli of dharmaram	Banjerupalli	Dharmaram
122	Chamanapalli of Dharmaram	Chamanapalli	Dharmaram
123	Narsapur of Eligaid	Narsapur	Eligaid
124	Kanagarthi of Peddapalli	Kanagarthi	Peddapalli
125	Jeelakunta of Odela	Jeelakunta	Odela
126	Uppatla of Manthani	Uppatla	Manthani
127	Motlapalli of Srirampur	Motlapalli	Srirampur
128	Maredugonda of Peddapalli	Maredugonda	Peddapalli
129	Chinnarathpalli of Srirampur	Chinnarathpalli	Srirampur
130	Perkapalli of Dharmaram	Perkapalli	Dharmaram
131	Venkatraopalli of Julapalli	Venkatraopalli	Julapalli
132	Mustyala of Ramagiri	Mustyala	Ramagiri
133	Peddakalvala of Peddapalli	Peddakalvala	Peddapalli
134	Julapalli of Kamanpur	Julapalli	Kamanpur
135	Nagaram of Manthani	Nagaram	Manthani
136	Putnoor of Palakurthi	Putnoor	Palakurthi
137	Bamlanayakthanda of Palakurthi	Bamlanayakthanda	Palakurthi
138	Palakurthy of Palakurthi	Palakurthy	Palakurthi
139	Sundilla of Ramagiri	Sundilla	Ramagiri
140	Arepalli of Srirampur	Arepalli	Srirampur
141	Yellampalli of Anthergaon	Yellampalli	Anthergaon
142	Kolanur of Odela	Kolanur	Odela
143	Adavisomanpalli of Manthani	Adavisomanpalli	Manthani
144	Chinnabonkur of Sulthanabad	Chinnabonkur	Sulthanabad
145	Ashannapalli of Srirampur	Ashannapalli	Srirampur
146	Peddabonkur of Peddapalli	Peddabonkur	Peddapalli
147	Gattepalli of Sulthanabad	Gattepalli	Sulthanabad
148	Cheekurai of Peddapalli	Cheekurai	Peddapalli
149	Jallaram of Ramagiri	Jallaram	Ramagiri

	gp name with mandal	GP_NAME	MANDAL_NAME
150	Kannala of Manthani	Kannala	Manthani
151	Arenda of Manthani	Arenda	Manthani
152	Gundlapalli of Odela	Gundlapalli	Odela
153	Erraguntapalli of \nDharmaram	Erraguntapalli	Dharmaram
154	Gopalpur of Manthani	Gopalpur	Manthani
155	Roopnaraynapet of Odela	Roopnaraynapet	Odela
156	Nagaram of Kamanpur	Nagaram	Kamanpur
157	Gundaram of Kamanpur	Gundaram	Kamanpur
158	Maidambanda of Mutharam	Maidambanda	Mutharam
159	Sabbitham of Peddapalli	Sabbitham	Peddapalli
160	Bestapalli of Manthani	Bestapalli	Manthani
161	Eklaspur of Manthani	Eklaspur	Manthani
162	Seethampeta of Mutharam	Seethampeta	Mutharam
163	Bhupathipur of Sulthanabad	Bhupathipur	Sulthanabad
164	Mutharam \nof Peddapalli	Mutharam	Peddapalli
165	Nawabpet of Ramagiri	Nawabpet	Ramagiri
166	GP Malyala of Srirampur Mandal	Malyala	Srirampur
167	Puttapaka of Manthani	Puttapaka	Manthani
168	Chinnakalvala of Sulthanabad	Chinnakalvala	Sulthanabad
169	GP Sayampet of Dharmaram	Sayampet	Dharmaram
170	GP Narsimhulapally of Dharmaram	Narsimhulapally	Dharmaram
171	Allipur of Sulthanabad	Allipur	Sulthanabad
172	Abbidipally\nMPP Odela	Abbidipally	Odela
173	GP Buchaiahpalli of Dharmaram	Buchaiahpalli	Dharmaram
174	Ranapur of Palakurthi	Ranapur	Palakurthi
175	Bompalli of Peddapalli Mandal	Bompalli	Peddapalli
176	TTs Anthargoan of Anthergaon	TTs Anthargoan	Anthergaon
177	Akkepalli of Manthani	Akkepalli	Manthani
178	Manchirami of Sulthanabad Mandal	Manchirami	Sulthanabad
179	Goparapalli of Odela	Goparapalli	Odela

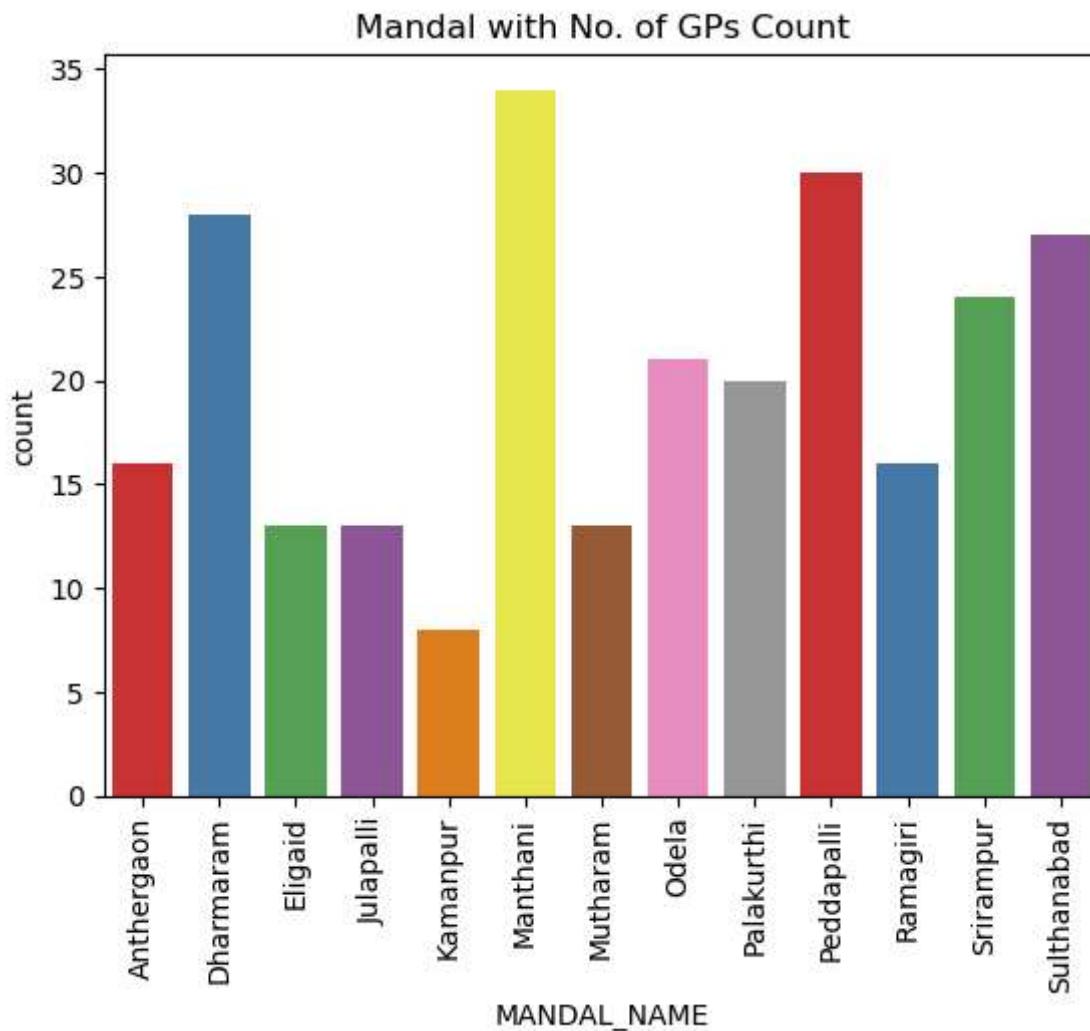
	<b>gp name with mandal</b>	<b>GP_NAME</b>	<b>MANDAL_NAME</b>
180	Jayyaram of Palakurthi	Jayyaram	Palakurthi
181	Nagulapalli\nMPP Julapalli	Nagulapalli	Julapalli
182	GP Paidichintalapalli of Dharmaram	Paidichintalapalli	Dharmaram
183	Kukkalagudur of Palakurthi	Kukkalagudur	Palakurthi
184	SHANAGONDA\nMPP Odela	SHANAGONDA	Odela
185	Keechulatapalli of Julapalli	Keechulatapalli	Julapalli
186	Bommareddipalli of Dharmaram	Bommareddipalli	Dharmaram
187	Lalapalli of Eligaid	Lalapalli	Eligaid
188	Ghanshyamdas Nagar of Palakurthi	Ghanshyamdas Nagar	Palakurthi
189	Murmoor of Anthergaon	Murmoor	Anthergaon
190	Narsaiahpalli of Sulthanabad	Narsaiahpalli	Sulthanabad
191	Gurrampalli \nMandal Peddapalli	Gurrampalli	Peddapalli
192	GP Khilavanaparthi of Dharmaram	Khilavanaparthi	Dharmaram
193	Gajulapalli of Manthani	Gajulapalli	Manthani
194	GP Haripuram\nMPP Mutharam	Haripuram	Mutharam
195	Rayadandi of Anthergaon	Rayadandi	Anthergaon
196	Laxmipur of Srirampur	Laxmipur	Srirampur
197	Lakkepur of Manthani	Lakkepur	Manthani
198	Pittalayellaiahpalli of Odela	Pittalayellaiahpalli	Odela
199	Siddipalli of Kamanpur	Siddipalli	Kamanpur
200	GP Machupeta\nMPP Mutharam	Machupeta	Mutharam
201	Lambadithanda K of Dharmaram	Lambadithanda K	Dharmaram
202	Gumpula of \nOdela	Gumpula	Odela
203	Goliwada of Anthergoan	Goliwada	Anthergaon
204	Ankampalli of Srirampur	Ankampalli	Srirampur
205	Jafferkhanpet of Srirampur	Jafferkhanpet	Srirampur
206	Elkalapalli of Palakurthi	Elkalapalli	Palakurthi
207	Naryanpur of Sulthanabad	Naryanpur	Sulthanabad
208	Penchikalpet of Kamanpur	Penchikalpet	Kamanpur
209	Dhulikatta of Eligaid	Dhulikatta	Eligaid

	gp name with mandal	GP_NAME	MANDAL_NAME
210	Odela of Odela	Odela	Odela
211	Peddarathpalli of Srirampur	Peddarathpalli	Srirampur
212	Kandunooripalli of Sulthanabad	Kandunooripalli	Sulthanabad
213	Gunjapadugu of Manthani	Gunjapadugu	Manthani
214	Suddala of Sulthanabad	Suddala	Sulthanabad
215	Namsanipalli of Odela	Namsanipalli	Odela
216	Khanampalli of Dharmaram	Khanampalli	Dharmaram
217	Muppirthota of Eligaid	Muppirthota	Eligaid
218	Botlavanaparthi of Dharmaram	Botlavanaparthi	Dharmaram
219	Katnapalli of Sulthanabad	Katnapalli	Sulthanabad
220	Thoggarai of Sulthanabad	Thoggarai	Sulthanabad
221	Raghavapoort of Peddapalli	Raghavapoort	Peddapalli
222	Gangaram of Srirampur	Gangaram	Srirampur
223	Kammarkhanpet of Dharmaram	Kammarkhanpet	Dharmaram
224	Ladnapur of Ramagiri	Ladnapur	Ramagiri
225	Kalwacherla of Ramagiri	Kalwacherla	Ramagiri
226	Itharajpalli of Sulthanabad	Itharajpalli	Sulthanabad
227	Kothur of Dharmaram	Kothur	Dharmaram
228	Wadkapur of Julapalli	Wadkapur	Julapalli
229	Kothapalli of Peddapalli	Kothapalli	Peddapalli
230	Kadambapur of Sulthanabad	Kadambapur	Sulthanabad
231	Anthergaon of Anthergoan	Anthergaon	Anthergaon
232	Tharupalli of Srirampur	Tharupalli	Srirampur
233	Elakalapalligate of Palakurthi	Elakalapalligate	Palakurthi
234	Rampalli of Peddapalli	Rampalli	Peddapalli
235	GP Venkatraopalli of Ramagiri	Venkatraopalli	Ramagiri
236	Kanagarthi of Odela	Kanagarthi	Odela
237	Lingapur of Anthergoan	Lingapur	Anthergaon
238	Srirampur of Srirampur	Srirampur	Srirampur
239	Rangapur of Peddapalli	Rangapur	Peddapalli

	gp name with mandal	GP_NAME	MANDAL_NAME
240	G.P. Lakkepur of Manthani	Lakkepur	Manthani
241	Ratnapur of Ramagiri	Ratnapur	Ramagiri
242	Katikenapalli of Dharmaram	Katikenapalli	Dharmaram
243	Khansabpet of Manthani	Khansabpet	Manthani
244	Bayammapalli of Odela	Bayammapalli	Odela
245	POTHKAPALLY\nMPP Odela	POTHKAPALLY	Odela
246	Sulthanpur of Eligaid	Sulthanpur	Eligaid
247	GP Pathipaka of Dharmaram	Pathipaka	Dharmaram
248	Esampet of Anthergoan	Esampet	Anthergaon
249	Gollapalli of Kamanpur	Gollapalli	Kamanpur
250	Indurthi of Odela	Indurthi	Odela
251	GP Munjampalli,MPP Palakurthi	Munjampalli	Palakurthi
252	Khammampalli of \nMutharam	Khammampalli	Mutharam
253	Kundanapalli of Anthergaon	Kundanapalli	Anthergaon
254	Madipalli of Srirampur	Madipalli	Srirampur
255	Abbapur of \nJulapalli	Abbapur	Julapalli
256	Ramulapalli of Eligaid	Ramulapalli	Eligaid
257	Rakaldevpalli of Eligaid	Rakaldevpalli	Eligaid
258	Gadalapalli Of Manthani Mandal	Gadalapalli	Manthani
259	Potharam of Mutharam	Potharam	Mutharam
260	Parupalli of Mutharam	Parupalli	Mutharam
261	Nagepalli of Manthani	Nagepalli	Manthani
262	Ramulapalli of Eligaid	Ramulapalli	Eligaid

```
In [40]: # make a new data frame after data cleaning and purification
final_cleaned_df = data[['MANDAL_NAME', 'GP_NAME']].sort_values(by=['MANDAL_NAME', 'G
```

```
In [41]: sns.countplot(x=final_cleaned_df['MANDAL_NAME'], hue=final_cleaned_df['MANDAL_NAME']
plt.title("Mandal with No. of GPs Count")
plt.xticks(rotation=90)
plt.show()
```

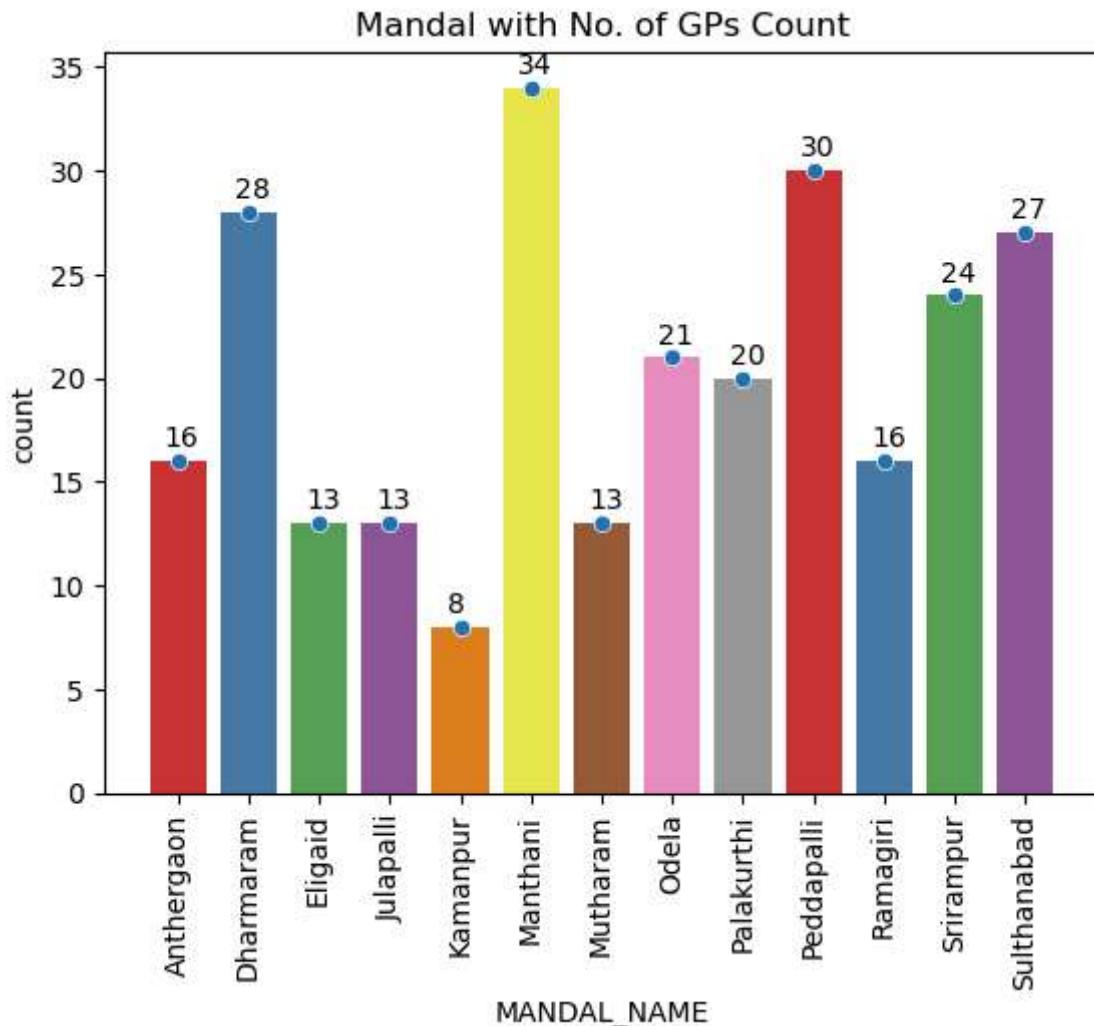


```
In [42]: abstract = pd.crosstab(index=data['MANDAL_NAME'], columns = 'count')
print(abstract)
```

col_0	count
MANDAL_NAME	
Anthergaon	16
Dharmaram	28
Eligaid	13
Julapalli	13
Kamanpur	8
Manthani	34
Mutharam	13
Odela	21
Palakurthi	20
Peddapalli	30
Ramagiri	16
Srirampur	24
Sulthanabad	27

```
In [43]: sns.countplot(x=final_cleaned_df['MANDAL_NAME'], hue=final_cleaned_df['MANDAL_NAME']
sns.scatterplot(x=abstract.index, y= abstract['count'])
for i, k in zip(abstract.index, abstract['count']):
    plt.annotate(k, (i,k), xytext = (-5,5), textcoords = 'offset points')
plt.title("Mandal with No. of GPs Count")
```

```
plt.xticks(rotation=90)
plt.show()
```



```
In [44]: final_cleaned_df.to_excel('d:/nptel_datasets/mandal_gp_cleaned_df.xlsx',index=False)
print("Data saved successfully at local drive d:/nptel_datasets/mandal_gp_cleaned_d
```

Data saved successfully at local drive d:/nptel\_datasets/mandal\_gp\_cleaned\_df.xlsx

```
In [ ]: splittextwithmultiplecolumns.ipynb
```