

In [1]:

```
import pandas as pd
sheet1=pd.read_excel(r"C:\Users\user\Desktop\AkzoProblem\sheet1.xlsx")
sheet2=pd.read_excel(r"C:\Users\user\Desktop\AkzoProblem\sheet2.xlsx")
```

In [2]:

```
join_inner=pd.merge(sheet1,sheet2,
                    on="RSMZONE",
                    how="inner")
join_inner
```

Out[2]:

	RSMZONE	ASM	Vol	Bill	RSMNAME
0	Bihar & JH	Anupam	300.0	14	Narula
1	Bihar & JH	Pradipta Kumar Mohanty	690.0	57	Narula
2	Bihar & JH	Somiran Nandy	756.0	48	Narula
3	Greater Kolkata	Prasenjit Dutta	1306.0	66	Subhadeep
4	Greater Kolkata	Rajesh Kumar Rajdev	2504.0	114	Subhadeep
5	Greater Kolkata	Sayantan Ghosh Dastidar	1242.0	74	Subhadeep
6	Greater Kolkata	Sibashis Maitra	1177.0	69	Subhadeep
7	NENB	Abhijit Bose	1084.0	55	Jamil
8	NENB	Abhijit Kumar Seal	1222.0	38	Jamil
9	NENB	Sumanta Krishna Dey	2728.0	130	Jamil
10	UP UNITED	Amit Sinha	196.0	18	Sashikant
11	UP UNITED	Amit Swami	660.0	45	Sashikant
12	UP UNITED	Ritesh Karidhal	634.0	46	Sashikant
13	UP UNITED	Vacant DNAU14	574.0	42	Sashikant
14	Upper North	Sushil Arora	1118.0	54	Vikash
15	Upper North	Rajeev Sharma	1246.0	31	Vikash
16	Upper North	Anjali Yadav	575.0	31	Vikash
17	Upper North	Puneet Aggarwal	650.0	27	Vikash
18	Upper North	Prashant Choudhary	674.0	35	Vikash
19	Maharashtra & Goa	Tarang Jivani	416.0	23	Lagnajit
20	Maharashtra & Goa	Darshak Sanghavi	668.0	32	Lagnajit
21	Maharashtra & Goa	Saroj Singh	326.0	12	Lagnajit
22	Maharashtra & Goa	Shikha Sharma	308.0	14	Lagnajit
23	Maharashtra & Goa	Amol Bhandare	840.0	32	Lagnajit
24	MPCGO	Ajay Sharma	492.0	34	Awanish
25	MPCGO	Kapil Tiwari	909.0	67	Awanish
26	MPCGO	Snigdha R Nanda	874.0	45	Awanish
27	MPCGO	Priyabrata Pattanayak	735.0	34	Awanish
28	MPCGO	Salil Pandey	708.0	46	Awanish
29	Gujarat	Manoharsing Jadeja	486.0	37	R P Singh
30	Gujarat	Jaymin shah	1083.0	73	R P Singh
31	Gujarat	Dilip Barot	529.0	41	R P Singh
32	Gujarat	Shailesh Thakor	603.0	43	R P Singh

	RSMZONE	ASM	Vol	Bill	RSMNAME
33	Tamil Nadu	Sivakumar A	378.0	24	Ganesh
34	Tamil Nadu	Senthil Kumar V	373.0	21	Ganesh
35	Tamil Nadu	T Kumar	754.0	31	Ganesh
36	Tamil Nadu	Tamilselvan Muthusamy	339.0	17	Ganesh
37	Tamil Nadu	Yuvaraj D	226.0	12	Ganesh
38	Karnataka & APT	Yeshwanth Naik Adoor	920.0	25	Nagalinga
39	Karnataka & APT	S Anthony Alexander	245.0	14	Nagalinga
40	Karnataka & APT	K.V KRISHNA KISHORE	252.0	17	Nagalinga
41	Karnataka & APT	Hari Krishna	235.0	13	Nagalinga
42	Kerala	Alexander M V	2026.0	87	Viswanathan
43	Kerala	O R Sreekanth Panicker	1164.0	33	Viswanathan
44	Delhi & Rajasthan	Vivek Aggarwat	472.0	34	Himanshu
45	Delhi & Rajasthan	Dhirendra Shukla	198.0	20	Himanshu
46	Delhi & Rajasthan	Sanjay Bhutani	133.0	10	Himanshu
47	Delhi & Rajasthan	Karan Jenaw	63.0	6	Himanshu
48	Delhi & Rajasthan	Arushi Sharma	176.0	9	Himanshu

In [3]:

```
join_inner.loc[join_inner['Vol']>=500,">=500"]=1
join_inner.loc[join_inner['Vol']<500,">=500"]=0
```

In [4]:

```
df=join_inner
```

In [5]:

df

Out[5]:

	RSMZONE	ASM	Vol	Bill	RSMNAME	>=500
0	Bihar & JH	Anupam	300.0	14	Narula	0.0
1	Bihar & JH	Pradipta Kumar Mohanty	690.0	57	Narula	1.0
2	Bihar & JH	Somiran Nandy	756.0	48	Narula	1.0
3	Greater Kolkata	Prasenjit Dutta	1306.0	66	Subhadeep	1.0
4	Greater Kolkata	Rajesh Kumar Rajdev	2504.0	114	Subhadeep	1.0
5	Greater Kolkata	Sayantan Ghosh Dastidar	1242.0	74	Subhadeep	1.0
6	Greater Kolkata	Sibashis Maitra	1177.0	69	Subhadeep	1.0
7	NENB	Abhijit Bose	1084.0	55	Jamil	1.0
8	NENB	Abhijit Kumar Seal	1222.0	38	Jamil	1.0
9	NENB	Sumanta Krishna Dey	2728.0	130	Jamil	1.0
10	UP UNITED	Amit Sinha	196.0	18	Sashikant	0.0
11	UP UNITED	Amit Swami	660.0	45	Sashikant	1.0
12	UP UNITED	Ritesh Karidhal	634.0	46	Sashikant	1.0
13	UP UNITED	Vacant DNAU14	574.0	42	Sashikant	1.0
14	Upper North	Sushil Arora	1118.0	54	Vikash	1.0
15	Upper North	Rajeev Sharma	1246.0	31	Vikash	1.0
16	Upper North	Anjali Yadav	575.0	31	Vikash	1.0
17	Upper North	Puneet Aggarwal	650.0	27	Vikash	1.0
18	Upper North	Prashant Choudhary	674.0	35	Vikash	1.0
19	Maharashtra & Goa	Tarang Jivani	416.0	23	Lagnajit	0.0
20	Maharashtra & Goa	Darshak Sanghavi	668.0	32	Lagnajit	1.0
21	Maharashtra & Goa	Saroj Singh	326.0	12	Lagnajit	0.0
22	Maharashtra & Goa	Shikha Sharma	308.0	14	Lagnajit	0.0
23	Maharashtra & Goa	Amol Bhandare	840.0	32	Lagnajit	1.0
24	MPCGO	Ajay Sharma	492.0	34	Awanish	0.0
25	MPCGO	Kapil Tiwari	909.0	67	Awanish	1.0
26	MPCGO	Snigdha R Nanda	874.0	45	Awanish	1.0
27	MPCGO	Priyabrata Pattanayak	735.0	34	Awanish	1.0
28	MPCGO	Salil Pandey	708.0	46	Awanish	1.0
29	Gujarat	Manoharsing Jadeja	486.0	37	R P Singh	0.0
30	Gujarat	Jaymin shah	1083.0	73	R P Singh	1.0
31	Gujarat	Dilip Barot	529.0	41	R P Singh	1.0
32	Gujarat	Shailesh Thakor	603.0	43	R P Singh	1.0
33	Tamil Nadu	Sivakumar A	378.0	24	Ganesh	0.0
34	Tamil Nadu	Senthil Kumar V	373.0	21	Ganesh	0.0

	RSMZONE	ASM	Vol	Bill	RSMNAME	>=500
35	Tamil Nadu	T Kumar	754.0	31	Ganesh	1.0
36	Tamil Nadu	Tamilselvan Muthusamy	339.0	17	Ganesh	0.0
37	Tamil Nadu	Yuvaraj D	226.0	12	Ganesh	0.0
38	Karnataka & APT	Yeshwanth Naik Adoor	920.0	25	Nagalinga	1.0
39	Karnataka & APT	S Anthony Alexander	245.0	14	Nagalinga	0.0
40	Karnataka & APT	K.V KRISHNA KISHORE	252.0	17	Nagalinga	0.0
41	Karnataka & APT	Hari Krishna	235.0	13	Nagalinga	0.0
42	Kerala	Alexander M V	2026.0	87	Viswanathan	1.0
43	Kerala	O R Sreekanth Panicker	1164.0	33	Viswanathan	1.0
44	Delhi & Rajasthan	Vivek Aggarwat	472.0	34	Himanshu	0.0
45	Delhi & Rajasthan	Dhirendra Shukla	198.0	20	Himanshu	0.0
46	Delhi & Rajasthan	Sanjay Bhutani	133.0	10	Himanshu	0.0
47	Delhi & Rajasthan	Karan Jenaw	63.0	6	Himanshu	0.0
48	Delhi & Rajasthan	Arushi Sharma	176.0	9	Himanshu	0.0

In [6]:

```
df.loc[df['Vol']<500,"<500"]=1
df.loc[df['Vol']>=500,"<500"]=0
```

In [7]:

```
df1=df
```

In [8]:

```
df1.head(5)
```

Out[8]:

	RSMZONE	ASM	Vol	Bill	RSMNAME	>=500	<500
0	Bihar & JH	Anupam	300.0	14	Narula	0.0	1.0
1	Bihar & JH	Pradipta Kumar Mohanty	690.0	57	Narula	1.0	0.0
2	Bihar & JH	Somiran Nandy	756.0	48	Narula	1.0	0.0
3	Greater Kolkata	Prasenjit Dutta	1306.0	66	Subhadeep	1.0	0.0
4	Greater Kolkata	Rajesh Kumar Rajdev	2504.0	114	Subhadeep	1.0	0.0

In [9]:

df1

Out[9]:

	RSMZONE	ASM	Vol	Bill	RSMNAME	>=500	<500
0	Bihar & JH	Anupam	300.0	14	Narula	0.0	1.0
1	Bihar & JH	Pradipta Kumar Mohanty	690.0	57	Narula	1.0	0.0
2	Bihar & JH	Somiran Nandy	756.0	48	Narula	1.0	0.0
3	Greater Kolkata	Prasenjit Dutta	1306.0	66	Subhadeep	1.0	0.0
4	Greater Kolkata	Rajesh Kumar Rajdev	2504.0	114	Subhadeep	1.0	0.0
5	Greater Kolkata	Sayantan Ghosh Dastidar	1242.0	74	Subhadeep	1.0	0.0
6	Greater Kolkata	Sibashis Maitra	1177.0	69	Subhadeep	1.0	0.0
7	NENB	Abhijit Bose	1084.0	55	Jamil	1.0	0.0
8	NENB	Abhijit Kumar Seal	1222.0	38	Jamil	1.0	0.0
9	NENB	Sumanta Krishna Dey	2728.0	130	Jamil	1.0	0.0
10	UP UNITED	Amit Sinha	196.0	18	Sashikant	0.0	1.0
11	UP UNITED	Amit Swami	660.0	45	Sashikant	1.0	0.0
12	UP UNITED	Ritesh Karidhal	634.0	46	Sashikant	1.0	0.0
13	UP UNITED	Vacant DNAU14	574.0	42	Sashikant	1.0	0.0
14	Upper North	Sushil Arora	1118.0	54	Vikash	1.0	0.0
15	Upper North	Rajeev Sharma	1246.0	31	Vikash	1.0	0.0
16	Upper North	Anjali Yadav	575.0	31	Vikash	1.0	0.0
17	Upper North	Puneet Aggarwal	650.0	27	Vikash	1.0	0.0
18	Upper North	Prashant Choudhary	674.0	35	Vikash	1.0	0.0
19	Maharashtra & Goa	Tarang Jivani	416.0	23	Lagnajit	0.0	1.0
20	Maharashtra & Goa	Darshak Sanghavi	668.0	32	Lagnajit	1.0	0.0
21	Maharashtra & Goa	Saroj Singh	326.0	12	Lagnajit	0.0	1.0
22	Maharashtra & Goa	Shikha Sharma	308.0	14	Lagnajit	0.0	1.0
23	Maharashtra & Goa	Amol Bhandare	840.0	32	Lagnajit	1.0	0.0
24	MPCGO	Ajay Sharma	492.0	34	Awanish	0.0	1.0
25	MPCGO	Kapil Tiwari	909.0	67	Awanish	1.0	0.0
26	MPCGO	Snigdha R Nanda	874.0	45	Awanish	1.0	0.0
27	MPCGO	Priyabrata Pattanayak	735.0	34	Awanish	1.0	0.0
28	MPCGO	Salil Pandey	708.0	46	Awanish	1.0	0.0
29	Gujarat	Manoharsing Jadeja	486.0	37	R P Singh	0.0	1.0
30	Gujarat	Jaymin shah	1083.0	73	R P Singh	1.0	0.0
31	Gujarat	Dilip Barot	529.0	41	R P Singh	1.0	0.0
32	Gujarat	Shailesh Thakor	603.0	43	R P Singh	1.0	0.0
33	Tamil Nadu	Sivakumar A	378.0	24	Ganesh	0.0	1.0
34	Tamil Nadu	Senthil Kumar V	373.0	21	Ganesh	0.0	1.0

	RSMZONE	ASM	Vol	Bill	RSMNAME	>=500	<500
35	Tamil Nadu	T Kumar	754.0	31	Ganesh	1.0	0.0
36	Tamil Nadu	Tamilselvan Muthusamy	339.0	17	Ganesh	0.0	1.0
37	Tamil Nadu	Yuvaraj D	226.0	12	Ganesh	0.0	1.0
38	Karnataka & APT	Yeshwanth Naik Adoor	920.0	25	Nagalinga	1.0	0.0
39	Karnataka & APT	S Anthony Alexander	245.0	14	Nagalinga	0.0	1.0
40	Karnataka & APT	K.V KRISHNA KISHORE	252.0	17	Nagalinga	0.0	1.0
41	Karnataka & APT	Hari Krishna	235.0	13	Nagalinga	0.0	1.0
42	Kerala	Alexander M V	2026.0	87	Viswanathan	1.0	0.0
43	Kerala	O R Sreekanth Panicker	1164.0	33	Viswanathan	1.0	0.0
44	Delhi & Rajasthan	Vivek Aggarwat	472.0	34	Himanshu	0.0	1.0
45	Delhi & Rajasthan	Dhirendra Shukla	198.0	20	Himanshu	0.0	1.0
46	Delhi & Rajasthan	Sanjay Bhutani	133.0	10	Himanshu	0.0	1.0
47	Delhi & Rajasthan	Karan Jenaw	63.0	6	Himanshu	0.0	1.0
48	Delhi & Rajasthan	Arushi Sharma	176.0	9	Himanshu	0.0	1.0

In [10]:

```
df1.loc[df1['Bill']<30,">0AND<30"]=1
df1.loc[df1['Bill']>30,">0AND<30"]=0
df1
```

Out[10]:

	RSMZONE	ASM	Vol	Bill	RSMNAME	>=500	<500	>0AND<30
0	Bihar & JH	Anupam	300.0	14	Narula	0.0	1.0	1.0
1	Bihar & JH	Pradipta Kumar Mohanty	690.0	57	Narula	1.0	0.0	0.0
2	Bihar & JH	Somiran Nandy	756.0	48	Narula	1.0	0.0	0.0
3	Greater Kolkata	Prasenjit Dutta	1306.0	66	Subhadeep	1.0	0.0	0.0
4	Greater Kolkata	Rajesh Kumar Rajdev	2504.0	114	Subhadeep	1.0	0.0	0.0
5	Greater Kolkata	Sayantan Ghosh Dastidar	1242.0	74	Subhadeep	1.0	0.0	0.0
6	Greater Kolkata	Sibashis Maitra	1177.0	69	Subhadeep	1.0	0.0	0.0
7	NENB	Abhijit Bose	1084.0	55	Jamil	1.0	0.0	0.0
8	NENB	Abhijit Kumar Seal	1222.0	38	Jamil	1.0	0.0	0.0
9	NENB	Sumanta Krishna Dey	2728.0	130	Jamil	1.0	0.0	0.0
10	UP UNITED	Amit Sinha	196.0	18	Sashikant	0.0	1.0	1.0
11	UP UNITED	Amit Swami	660.0	45	Sashikant	1.0	0.0	0.0
12	UP UNITED	Ritesh Karidhal	634.0	46	Sashikant	1.0	0.0	0.0
13	UP UNITED	Vacant DNAU14	574.0	42	Sashikant	1.0	0.0	0.0
14	Upper North	Sushil Arora	1118.0	54	Vikash	1.0	0.0	0.0
15	Upper North	Rajeev Sharma	1246.0	31	Vikash	1.0	0.0	0.0
16	Upper North	Anjali Yadav	575.0	31	Vikash	1.0	0.0	0.0
17	Upper North	Puneet Aggarwal	650.0	27	Vikash	1.0	0.0	1.0
18	Upper North	Prashant Choudhary	674.0	35	Vikash	1.0	0.0	0.0
19	Maharashtra & Goa	Tarang Jivani	416.0	23	Lagnajit	0.0	1.0	1.0
20	Maharashtra & Goa	Darshak Sanghavi	668.0	32	Lagnajit	1.0	0.0	0.0
21	Maharashtra & Goa	Saroj Singh	326.0	12	Lagnajit	0.0	1.0	1.0
22	Maharashtra & Goa	Shikha Sharma	308.0	14	Lagnajit	0.0	1.0	1.0
23	Maharashtra & Goa	Amol Bhandare	840.0	32	Lagnajit	1.0	0.0	0.0
24	MPCGO	Ajay Sharma	492.0	34	Awanish	0.0	1.0	0.0
25	MPCGO	Kapil Tiwari	909.0	67	Awanish	1.0	0.0	0.0
26	MPCGO	Snigdha R Nanda	874.0	45	Awanish	1.0	0.0	0.0
27	MPCGO	Priyabrata Pattanayak	735.0	34	Awanish	1.0	0.0	0.0
28	MPCGO	Salil Pandey	708.0	46	Awanish	1.0	0.0	0.0
29	Gujarat	Manoharsing Jadeja	486.0	37	R P Singh	0.0	1.0	0.0

	RSMZONE	ASM	Vol	Bill	RSMNAME	>=500	<500	>0AND<30
30	Gujarat	Jaymin shah	1083.0	73	R P Singh	1.0	0.0	0.0
31	Gujarat	Dilip Barot	529.0	41	R P Singh	1.0	0.0	0.0
32	Gujarat	Shailesh Thakor	603.0	43	R P Singh	1.0	0.0	0.0
33	Tamil Nadu	Sivakumar A	378.0	24	Ganesh	0.0	1.0	1.0
34	Tamil Nadu	Senthil Kumar V	373.0	21	Ganesh	0.0	1.0	1.0
35	Tamil Nadu	T Kumar	754.0	31	Ganesh	1.0	0.0	0.0
36	Tamil Nadu	Tamilselvan Muthusamy	339.0	17	Ganesh	0.0	1.0	1.0
37	Tamil Nadu	Yuvaraj D	226.0	12	Ganesh	0.0	1.0	1.0
38	Karnataka & APT	Yeshwanth Naik Adoor	920.0	25	Nagalinga	1.0	0.0	1.0
39	Karnataka & APT	S Anthony Alexander	245.0	14	Nagalinga	0.0	1.0	1.0
40	Karnataka & APT	K.V KRISHNA KISHORE	252.0	17	Nagalinga	0.0	1.0	1.0
41	Karnataka & APT	Hari Krishna	235.0	13	Nagalinga	0.0	1.0	1.0
42	Kerala	Alexander M V	2026.0	87	Viswanathan	1.0	0.0	0.0
43	Kerala	O R Sreekanth Panicker	1164.0	33	Viswanathan	1.0	0.0	0.0
44	Delhi & Rajasthan	Vivek Aggarwat	472.0	34	Himanshu	0.0	1.0	0.0
45	Delhi & Rajasthan	Dhirendra Shukla	198.0	20	Himanshu	0.0	1.0	1.0
46	Delhi & Rajasthan	Sanjay Bhutani	133.0	10	Himanshu	0.0	1.0	1.0
47	Delhi & Rajasthan	Karan Jenaw	63.0	6	Himanshu	0.0	1.0	1.0
48	Delhi & Rajasthan	Arushi Sharma	176.0	9	Himanshu	0.0	1.0	1.0

In [11]:

```
df1.loc[(df1['Bill'] >=30 & (df1['Bill'] <80), ">30AND<80")=1
df1.loc[(df1['Bill'] <30 | (df1['Bill'] >80), ">30AND<80")=0
```

In [12]:

```
df1.loc[df1['Bill']>80,">=80"]=1
df1.loc[df1['Bill']<80,">=80"]=0
df1
```

Out[12]:

	RSMZONE	ASM	Vol	Bill	RSMNAME	>=500	<500	>0AND<30	>30AND<80	:
0	Bihar & JH	Anupam	300.0	14	Narula	0.0	1.0	1.0	0.0	
1	Bihar & JH	Pradipta Kumar Mohanty	690.0	57	Narula	1.0	0.0	0.0	1.0	
2	Bihar & JH	Somiran Nandy	756.0	48	Narula	1.0	0.0	0.0	1.0	
3	Greater Kolkata	Prasenjit Dutta	1306.0	66	Subhadeep	1.0	0.0	0.0	1.0	
4	Greater Kolkata	Rajesh Kumar Rajdev	2504.0	114	Subhadeep	1.0	0.0	0.0	0.0	
5	Greater Kolkata	Sayantan Ghosh Dastidar	1242.0	74	Subhadeep	1.0	0.0	0.0	1.0	
6	Greater Kolkata	Sibashis Maitra	1177.0	69	Subhadeep	1.0	0.0	0.0	1.0	
7	NENB	Abhijit Bose	1084.0	55	Jamil	1.0	0.0	0.0	1.0	
8	NENB	Abhijit Kumar Seal	1222.0	38	Jamil	1.0	0.0	0.0	1.0	
9	NENB	Sumanta Krishna Dey	2728.0	130	Jamil	1.0	0.0	0.0	0.0	
10	UP UNITED	Amit Sinha	196.0	18	Sashikant	0.0	1.0	1.0	0.0	
11	UP UNITED	Amit Swami	660.0	45	Sashikant	1.0	0.0	0.0	1.0	
12	UP UNITED	Ritesh Karidhal	634.0	46	Sashikant	1.0	0.0	0.0	1.0	
13	UP UNITED	Vacant DNAU14	574.0	42	Sashikant	1.0	0.0	0.0	1.0	
14	Upper North	Sushil Arora	1118.0	54	Vikash	1.0	0.0	0.0	1.0	
15	Upper North	Rajeev Sharma	1246.0	31	Vikash	1.0	0.0	0.0	1.0	
16	Upper North	Anjali Yadav	575.0	31	Vikash	1.0	0.0	0.0	1.0	
17	Upper North	Puneet Aggarwal	650.0	27	Vikash	1.0	0.0	1.0	0.0	
18	Upper North	Prashant Choudhary	674.0	35	Vikash	1.0	0.0	0.0	1.0	
19	Maharashtra & Goa	Tarang Jivani	416.0	23	Lagnajit	0.0	1.0	1.0	0.0	
20	Maharashtra & Goa	Darshak Sanghavi	668.0	32	Lagnajit	1.0	0.0	0.0	1.0	
21	Maharashtra & Goa	Saroj Singh	326.0	12	Lagnajit	0.0	1.0	1.0	0.0	
22	Maharashtra & Goa	Shikha Sharma	308.0	14	Lagnajit	0.0	1.0	1.0	0.0	

	RSMZONE	ASM	Vol	Bill	RSMNAME	>=500	<500	>0AND<30	>30AND<80	:
23	Maharashtra & Goa	Amol Bhandare	840.0	32	Lagnajit	1.0	0.0	0.0	1.0	
24	MPCGO	Ajay Sharma	492.0	34	Awanish	0.0	1.0	0.0	1.0	
25	MPCGO	Kapil Tiwari	909.0	67	Awanish	1.0	0.0	0.0	1.0	
26	MPCGO	Snigdha R Nanda	874.0	45	Awanish	1.0	0.0	0.0	1.0	
27	MPCGO	Priyabrata Pattanayak	735.0	34	Awanish	1.0	0.0	0.0	1.0	
28	MPCGO	Salil Pandey	708.0	46	Awanish	1.0	0.0	0.0	1.0	
29	Gujarat	Manoharsing Jadeja	486.0	37	R P Singh	0.0	1.0	0.0	1.0	
30	Gujarat	Jaymin shah	1083.0	73	R P Singh	1.0	0.0	0.0	1.0	
31	Gujarat	Dilip Barot	529.0	41	R P Singh	1.0	0.0	0.0	1.0	
32	Gujarat	Shailesh Thakor	603.0	43	R P Singh	1.0	0.0	0.0	1.0	
33	Tamil Nadu	Sivakumar A	378.0	24	Ganesh	0.0	1.0	1.0	0.0	
34	Tamil Nadu	Senthil Kumar V	373.0	21	Ganesh	0.0	1.0	1.0	0.0	
35	Tamil Nadu	T Kumar	754.0	31	Ganesh	1.0	0.0	0.0	1.0	
36	Tamil Nadu	Tamilselvan Muthusamy	339.0	17	Ganesh	0.0	1.0	1.0	0.0	
37	Tamil Nadu	Yuvaraj D	226.0	12	Ganesh	0.0	1.0	1.0	0.0	
38	Karnataka & APT	Yeshwanth Naik Adoor	920.0	25	Nagalinga	1.0	0.0	1.0	0.0	
39	Karnataka & APT	S Anthony Alexander	245.0	14	Nagalinga	0.0	1.0	1.0	0.0	
40	Karnataka & APT	K.V KRISHNA KISHORE	252.0	17	Nagalinga	0.0	1.0	1.0	0.0	
41	Karnataka & APT	Hari Krishna	235.0	13	Nagalinga	0.0	1.0	1.0	0.0	
42	Kerala	Alexander M V	2026.0	87	Viswanathan	1.0	0.0	0.0	0.0	
43	Kerala	O R Sreekanth Panicker	1164.0	33	Viswanathan	1.0	0.0	0.0	1.0	
44	Delhi & Rajasthan	Vivek Aggarwat	472.0	34	Himanshu	0.0	1.0	0.0	1.0	
45	Delhi & Rajasthan	Dhirendra Shukla	198.0	20	Himanshu	0.0	1.0	1.0	0.0	
46	Delhi & Rajasthan	Sanjay Bhutani	133.0	10	Himanshu	0.0	1.0	1.0	0.0	
47	Delhi & Rajasthan	Karan Jenaw	63.0	6	Himanshu	0.0	1.0	1.0	0.0	
48	Delhi & Rajasthan	Arushi Sharma	176.0	9	Himanshu	0.0	1.0	1.0	0.0	

In [13]:

```
df1.to_excel("C:\\Users\\user\\Desktop\\AkzoProblem\\final.xlsx", index=False)
print("Send Data Successfully!!!")
```

Send Data Successfully!!!

In [17]:

```
df2=df1.groupby('RSMZONE')[[">=500", "<500", ">0AND<30", ">30AND<80", ">=80"]].sum()
```

In [19]:

```
df2['Total ASM Count']=df2['>=500']+df2['<500']
```

In [34]:

```
df2.to_excel("C:\\Users\\user\\Desktop\\AkzoProblem\\ResultSheet.xlsx")
print("Final Result Generated")
```

Final Result Generated

In [36]:

```
with pd.ExcelWriter('C:\\Users\\user\\Desktop\\AkzoProblem\\ResultSheet1.xlsx') as writer:
    for index, row in df2.iterrows():
        sheet_name = "{}".format(index)
        row.to_excel(writer, sheet_name=sheet_name, header=True)
print("Done")
```

Done

In []: