```
1 import numpy as np
2 import pandas as pd
3 import csv
4 import re
5
6 filename = 'Accommodation Finder.csv'
7
8 rentee = pd.read_csv(filename)
```

```
1 rentee.head()
```

	Timestamp	Name	Gender	Phone number	Email	Budget	Pref
0	2022/11/21 8:46:45 pm GMT-5	Shivani	Female	6179592224	shivaniskye06@gmail.com	650-750	
1	2022/11/21 8:47:39 pm GMT-5	Shreemoy Nanda	Male	+91-8118075705	moy.nanda97@gmail.com	550-650	No p
2	2022/11/21 8:47:41 pm GMT-5	Parixit Sanghani	Male	5859103634	parixit1999@gmail.com	1000-1300	\
3	2022/11/21 8:48:38 pm GMT-5	Harshal Thachapully	Male	0553346300	harshal.thachapully@gmail.com	1000	\
4	2022/11/21 8:49:25 pm GMT-5	Ritik Bhandari	Male	8579308229	ritikbhandari045@gmail.com	450-550	\

```
1 df_dummy = rentee.replace(to_replace = '-', value = ' ', regex = True)
2 renteeBudget = df_dummy.Budget.str.split(expand = True)
```

```
1 renteeBudget.head()
```

	0	1
0	650	750
1	550	650

```
1 List_Min_Budget = renteeBudget[0].to_list()
2 List_Max_Budget = renteeBudget[1].to_list()
3
4 rentee.insert(loc = 5,column = 'Min Budget', value = List_Min_Budget)
5 rentee.insert(loc = 6,column = 'Max Budget', value = List_Max_Budget)
6 rentee.pop('Budget')
```

```
0           650-750
1           550-650
2         1000-1300
3              1000
4           450-550
            ...
72          450-550
73          450-550
74          450-550
75          550-650
76          450-600
Name: Budget, Length: 77, dtype: object
```

```
1 rentee.head()
```

```
1 phoneNumber = rentee["Phone number"].to_list()
2 num = []
```

```
1 for i in phoneNumber:
2   x = re.findall("\d{10}", i)
3   num.append(x)
4 print(num)
```

    [['6179592224'], ['8118075705'], ['5859103634'], ['0553346300'], ['8579308229'],

```
1 rentee['Phone number'] = num
```

```
1 rentee.head()
```

	Timestamp	Name	Gender	Phone number	Email	Min Budget	Bud
0	2022/11/21 8:46:45 pm GMT-5	Shivani	Female	[6179592224]	shivaniskye06@gmail.com	650	
1	2022/11/21 8:47:39 pm GMT-5	Shreemoy Nanda	Male	[8118075705]	moy.nanda97@gmail.com	550	
2	2022/11/21 8:47:41 pm GMT-5	Parixit Sanghani	Male	[5859103634]	parixit1999@gmail.com	1000	
3	2022/11/21 8:48:38 pm GMT-5	Harshal Thachapully	Male	[0553346300]	harshal.thachapully@gmail.com	1000	
4	2022/11/21 8:49:25 pm GMT-5	Ritik Bhandari	Male	[8579308229]	ritikbhandari045@gmail.com	450	

```
1 rentee.pop('Timestamp')
```

```
    0      2022/11/21 8:46:45 pm GMT-5
    1      2022/11/21 8:47:39 pm GMT-5
    2      2022/11/21 8:47:41 pm GMT-5
    3      2022/11/21 8:48:38 pm GMT-5
    4      2022/11/21 8:49:25 pm GMT-5
                    ...
```

```
72      2022/12/05 11:52:08 am GMT-5
73      2022/12/05 11:54:30 am GMT-5
74      2022/12/05 11:55:41 am GMT-5
75      2022/12/05 12:02:22 pm GMT-5
76      2022/12/05 12:36:10 pm GMT-5
Name: Timestamp, Length: 77, dtype: object
```

```
1 rentee.head()
```

	Name	Gender	PhoneNumber	Email	Min Budget	Max Budget	D Prefe
0	Shivani	Female	[6179592224]	shivaniskye06@gmail.com	650	750	
1	Shreemoy Nanda	Male	[8118075705]	moy.nanda97@gmail.com	550	650	No pr
2	Parixit Sanghani	Male	[5859103634]	parixit1999@gmail.com	1000	1300	Ve
3	Harshal Thachapully	Male	[0553346300]	harshal.thachapully@gmail.com	1000	None	Ve
4	Ritik Bhandari	Male	[8579308229]	ritikbhandari045@gmail.com	450	550	Ve

```
1 rentee.rename(columns={'Phone number': 'PhoneNumber', 'Dietary Preferences': 'Roomm
```

```
1 rentee.head()
```

	Name	Gender	PhoneNumber	Email	Min Budget	Max Budget	D Prefe
0	Shivani	Female	[6179592224]	shivaniskye06@gmail.com	650	750	
1	Shreemoy Nanda	Male	[8118075705]	moy.nanda97@gmail.com	550	650	No pr
2	Parixit Sanghani	Male	[5859103634]	parixit1999@gmail.com	1000	1300	Ve
3	Harshal Thachapully	Male	[0553346300]	harshal.thachapully@gmail.com	1000	None	Ve
4	Ritik Bhandari	Male	[8579308229]	ritikbhandari045@gmail.com	450	550	Ve

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