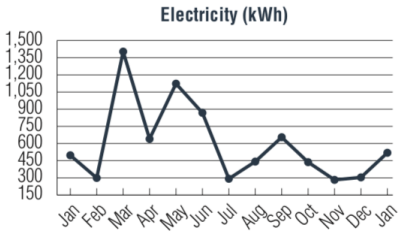
Account #:	17078275
Account Name:	Jiali Ling
Due Date:	01/01/2019
Statement Date:	12/15/2018
Total Charges:	$5477.72
Service Address:	888 Main St # 145 New York, NY 10044
Web Pin:	10000057



For optimal energy savings, set thermostats at 68 degrees F for heating in the winter.

Utility Statement for The Octagon

METER READS & USAGE

UTILITY	DATES	START READ/END READ	CONSUMPTION
Electricity	11/1/2018 - 12/1/2018	44507.00 - 45026.00	519.00 kWh

CURRENT RENT AND LEASE CHARGES

SERVICE TYPE	SERVICE PERIOD	CHARGES
Rent	01/01/2019 - 01/31/2019	$5,350.00
Rent and Leasing Charges Due 01/01/2019		**$5,350.00**

ELECTRIC UTILITY CHARGES

SERVICE TYPE	SERVICE PERIOD	CHARGES
Electric Base	11/01/2018 - 12/01/2018	$17.80
Electricity	11/01/2018 - 12/01/2018	$104.42
Sales Tax	11/01/2018 - 12/01/2018	$5.50
		$127.72
Total Current Charges		**$5,477.72**
Prior Balance		$0.00
Grand Total Due 01/01/2019		**$5,477.72**

In [3]:

```
octagon4()
```

```
The date: January
January`s utility: 127.72
January`s internet: 14.8
Each one should pay utility+internet: $ 35.63
**********************************************************************
**
please transfer money to lease holder before due date in our agreeme
nt
**********************************************************************
**
```

Out[3]:

	Rent	Other_Fee	Total
Total	5350	142.52	5492.52
Living Room	1150	35.63	1185.63
Room 1	1280	35.63	1315.63
Room 2	1280	35.63	1315.63
Main Bedroom	1640	35.63	1675.63

In [1]:

```
def octagon4():
    '''
    the function to calculate our fees when there are four people
    '''
    import numpy as np
    import pandas as pd
    date = input('The date: ')
    utility = np.float(input(date + '`s utility: '))
    internet = np.float(input(date + '`s internet: '))
    uti_int = (utility + internet)/4
    print('Each one should pay utility+internet: $', uti_int)
    rent = [5350,1150,1280,1280,1640]
    uti_ints = list(np.repeat(uti_int,4))
    other_fees = [utility + internet]; other_fees.extend(uti_ints)
    room = ['Total','Living Room','Room 1','Room 2','Main Bedroom']
    total = pd.DataFrame(rent);
    total.index = room;
    total.columns = ['Rent'];
    total['Other_Fee'] = other_fees
    total['Total'] = np.sum(total,axis=1)
    print('**********************************************************************
*')
    print('please transfer money to lease holder before due date in our agreemen
t')
    print('**********************************************************************
*')
    return(total)
```

In [2]:

```
def octagon5():
    '''
    the function to calculate our fees when there are five people
    '''
    import numpy as np
    import pandas as pd
    date = input('The date: ')
    utility = np.float(input(date + '`s utility: $'))
    internet = np.float(input(date + '`s internet: $'))
    uti_int = (utility + internet)/5
    print('Each one should pay utility+internet: $', uti_int)
    rent = [5350,1150,1280,1280,1640]
    uti_ints = list(np.repeat(uti_int,4));uti_ints[3] = uti_ints[3] *2
    other_fees = [utility + internet]; other_fees.extend(uti_ints)
    room = ['Total','Living Room','Room 1','Room 2','Main Bedroom']
    total = pd.DataFrame(rent);
    total.index = room;
    total.columns = ['Rent'];
    total['Other_Fee'] = other_fees
    total['Total'] = np.sum(total,axis=1)
    print('**********************************************************************
*')
    print('please transfer money to lease holder before due date in our agreemen
t')
    print('**********************************************************************
*')
    return(total)
```