```
In [2]: import string
          dict1={}
          with open("numbers.txt", "r") as f:
              text = f.read()
              words = text.split()
              table=str.maketrans("", "", string.punctuation)
              stripped = [w.translate(table)for w in words]
          for line in stripped:
              for num in line:
                  if num in dict1:
                      dict1[num]=dict1[num]+1
                  else:
                      dict1[num]=1;
          dict1
         {'2': 19,
 Out[2]:
           '4': 22,
           '6': 26,
           '8': 13,
           '5': 10,
           '1': 28,
           '9': 24,
           '0': 23,
           '7': 17,
           '3': 20}
 In [4]: import matplotlib.pyplot as plt
          plt.hist(dict1.values())
          plt.show()
          2.00
          1.75
          1.50
          1.25
          1.00
          0.75
          0.50
          0.25
          0.00
                    12.5
                         15.0 17.5 20.0
                                           22.5
                                                25.0 27.5
          import json
 In [5]:
          with open('frequency.json','w') as f:
              json.dump(dict1,f)
 In [7]: import pandas as pd
          data=pd.read_csv("C:\\Users\\HP\\Downloads\\01-Jan-2019_to_06-Nov-2022.csv")
          data=data.fillna(0)
 In [8]:
          data.shape
          (26, 36)
 Out[9]:
          data["Item Total"] = data["Item Total"].str.replace('$','').astype(float)
In [10]:
          C:\Users\HP\AppData\Local\Temp\ipykernel_23940\2259718141.py:1: FutureWarning: The default value of regex will change from True to False in a future version.
         In addition, single character regular expressions will *not* be treated as literal strings when regex=True.
            data["Item Total"] = data["Item Total"].str.replace('$','').astype(float)
          data["Item Total"].sum()
          1737.249999999998
Out[11]:
          data["Item Total"].mean()
         66.81730769230768
Out[12]:
          data["Item Total"].max()
In [13]:
          243.79
Out[13]:
          data["Item Total"].min()
Out[14]:
In [15]: import statistics as stat
          stat.stdev(data["Item Total"])
          66.31732139088201
Out[15]:
In [16]:
          data["Order Date"] = pd.to_datetime(data["Order Date"])
In [17]: import matplotlib.pyplot as plt
          import numpy as np
          x= data["Order Date"]
          y= data["Item Total"]
          plt.plot(x,y)
          plt.show
          <function matplotlib.pyplot.show(close=None, block=None)>
Out[17]:
          250
          200
          150
          100
           50
                2019-07 2020-01 2020-07 2021-01 2021-07 2022-01 2022-07
          import matplotlib.pyplot as plt
          plt.pie(data["Item Total"])
          plt.legend(data["Order Date"], bbox_to_anchor= (1.05, 1.0),loc = 'upper left')
          plt.show
          <function matplotlib.pyplot.show(close=None, block=None)>
                                          2019-03-27 00:00:00
                                          2019-09-04 00:00:00
                                            2019-09-04 00:00:00
                                          2020-01-15 00:00:00
                                          2020-01-17 00:00:00
                                          2020-09-04 00:00:00
                                          2020-09-23 00:00:00
                                          2021-01-26 00:00:00
                                            2021-01-26 00:00:00
                                            2021-02-10 00:00:00
                                            2021-05-24 00:00:00
                                            2021-11-08 00:00:00
                                            2021-11-10 00:00:00
                                            2022-01-22 00:00:00
                                          2022-06-01 00:00:00
                                          2022-06-01 00:00:00
                                          2022-06-16 00:00:00
                                          2022-06-16 00:00:00
                                          2022-06-29 00:00:00
                                            2022-09-03 00:00:00
                                          2022-09-03 00:00:00
                                            2022-09-03 00:00:00
                                            2022-09-03 00:00:00
                                           2022-09-26 00:00:00
                                          2022-09-28 00:00:00
                                          2022-10-08 00:00:00
In [19]: data["Item Subtotal Tax"] = data["Item Subtotal Tax"].str.replace('$','').astype(float)
         C:\Users\HP\AppData\Local\Temp\ipykernel_23940\134126073.py:1: FutureWarning: The default value of regex will change from True to False in a future version. I
         n addition, single character regular expressions will *not* be treated as literal strings when regex=True.
           data["Item Subtotal Tax"] = data["Item Subtotal Tax"].str.replace('$','').astype(float)
        stat.stdev(data["Item Subtotal Tax"])
In [20]:
          4.8309991322069825
Out[20]:
          plt.hist(data["Item Subtotal Tax"])
In [23]:
          (array([8., 8., 2., 3., 1., 0., 0., 0., 3., 1.]),
Out[23]:
          array([ 0. , 1.634, 3.268, 4.902, 6.536, 8.17 , 9.804, 11.438,
                  13.072, 14.706, 16.34 ]),
          <BarContainer object of 10 artists>)
          7
          5 ·
          4
          3 -
          2 ·
          1
                                           12
```