origin

car name

memory usage: 28.1+ KB

398 non-null

398 non-null

dtypes: float64(3), int64(4), object(2)

```
In [6]:
         1 import pandas as pd
         2 import matplotlib.pyplot as plt
         3 import seaborn as sns
In [2]:
         1 df=pd.read csv('Datasets/auto-mpg.csv')
         2 df.info()
        <class 'pandas.core.frame.DataFrame'>
        RangeIndex: 398 entries, 0 to 397
        Data columns (total 9 columns):
            Column
                          Non-Null Count Dtype
            _____
                          _____
                                         float64
                          398 non-null
            mpg
                          398 non-null
                                         int64
            cylinders
         1
         2 displacement 398 non-null
                                         float64
            horsepower
                          398 non-null
                                         object
            weight
                          398 non-null
                                         int64
            acceleration 398 non-null
                                         float64
            model year
                          398 non-null
                                         int64
```

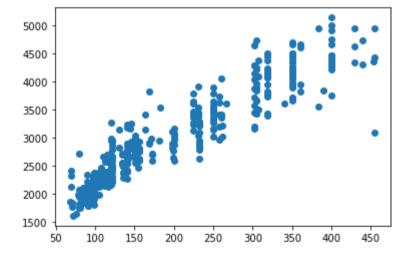
int64

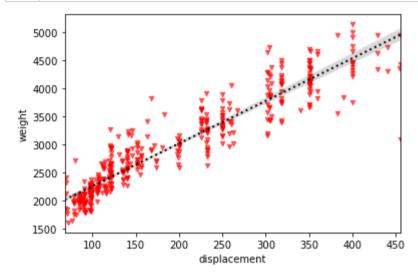
object

In [5]: 1 df.corr()

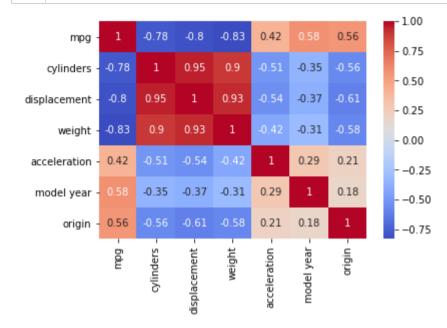
Out[5]:

	mpg	cylinders	displacement	weight	acceleration	model year	origin
mpg	1.000000	-0.775396	-0.804203	-0.831741	0.420289	0.579267	0.563450
cylinders	-0.775396	1.000000	0.950721	0.896017	-0.505419	-0.348746	-0.562543
displacement	-0.804203	0.950721	1.000000	0.932824	-0.543684	-0.370164	-0.609409
weight	-0.831741	0.896017	0.932824	1.000000	-0.417457	-0.306564	-0.581024
acceleration	0.420289	-0.505419	-0.543684	-0.417457	1.000000	0.288137	0.205873
model year	0.579267	-0.348746	-0.370164	-0.306564	0.288137	1.000000	0.180662
origin	0.563450	-0.562543	-0.609409	-0.581024	0.205873	0.180662	1.000000









In [18]: 1 from wordcloud import WordCloud, STOPWORDS

```
In [34]: 1 stopwords=set(STOPWORDS)
2 stopwords.add('said')
3 print(stopwords)
```

{'did', 'said', 'during', 'having', 'but', 'in', 'above', 'www', "what's", 'up', "they'd", 'once', 'very', 'get', 'ha d', 'than', 'yourself', 'could', 'am', "hadn't", "wasn't", 'there', "we'd", "shan't", "doesn't", 'k', "let's", 'himsel f', 'like', 'a', 'have', 'with', 'http', "when's", 'theirs', 'my', 'com', 'is', "mustn't", 'too', 'both', "they're", "i t's", 'if', 'an', 'how', "we're", 'off', 'his', "i'll", 'at', 'when', "didn't", "i'm", 'over', 'however', 'under', "the y've", 'its', 'has', "they'll", 'again', 'yourselves', "why's", 'do', 'from', 'hers', "she'd", 'been', 'them', 'you', 'being', 'same', 'otherwise', "shouldn't", 'their', 'those', 'each', 'own', 'herself', "haven't", 'should', 'any', 'wha t', 'it', "aren't", 'he', 'shall', 'just', "couldn't", "weren't", 'who', "you've", 'few', "isn't", 'nor', 'hence', 'n o', 'or', "you'll", 'ought', 'such', 'then', 'ourselves', 'r', 'this', 'they', "can't", 'we', 'be', "that's", 'other', 'on', 'doing', 'i', "who's", 'because', 'itself', 'of', 'about', "he'll", 'ours', 'where', 'that', "i've", "she'll", "where's", 'as', 'for', 'therefore', "you're", 'cannot', 'me', 'since', 'not', 'she', 'by', 'ever', 'why', 'also', 'som e', 'through', 'him', 'to', 'her', 'which', 'most', 'all', "we've", 'whom', 'and', "he'd", "here's", "she's", 'these', "won't", "how's", 'can', 'out', "don't", 'the', 'against', 'myself', 'were', 'before', 'down', "hasn't", 'themselves', 'further', 'was', "you'd", "he's", 'else', 'so', 'until', 'only', 'yours', 'more', 'does', "i'd", "we'll", 'into', 'bel ow', 'your', "wouldn't", 'are', 'while', 'would', 'here', 'after', 'between', "there's", 'our'}

In [21]: 1 import requests

```
In [26]:
           1 url=("https://www.gutenberg.org/files/11/11-0.txt")
           2 response=requests.get(url)
           3 text=response.text
           4 print(text)
         *** START OF THE PROJECT GUTENBERG EBOOK 11 ***
         [Illustration]
         Alice's Adventures in Wonderland
         by Lewis Carroll
         THE MILLENNIUM FULCRUM EDITION 3.0
         Contents
          CHAPTER I.
                         Down the Rabbit-Hole
                         The Pool of Tears
          CHAPTER II.
          CHAPTER III.
                         A Caucus-Race and a Long Tale
          CHAPTER IV.
                         The Rabbit Sends in a Little Bill
                         Advice from a Caterpillar
          CHAPTER V.
          CHARTER VIT
In [36]:
           1 alice_wc=WordCloud(background_color='white',
                               max words=2000,
           2
                               stopwords=stopwords)
           3
```

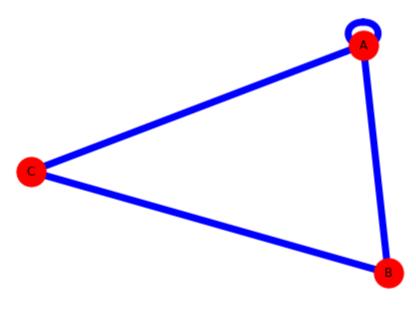
```
In [37]:
```

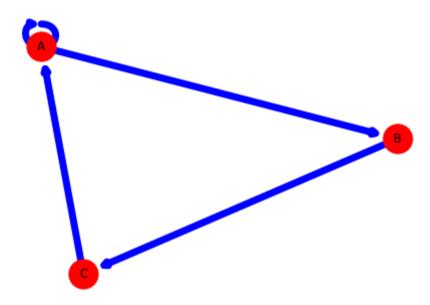
- 1 alice_wc.generate(text)
 2 plt.imshow(alice_wc)
- 3 plt.axis('off')
- 4 plt.show()

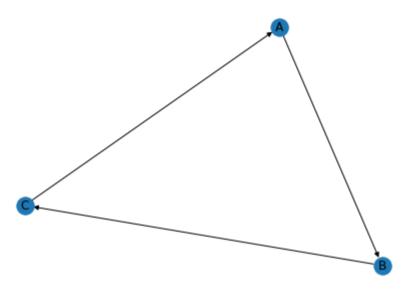


In [41]:

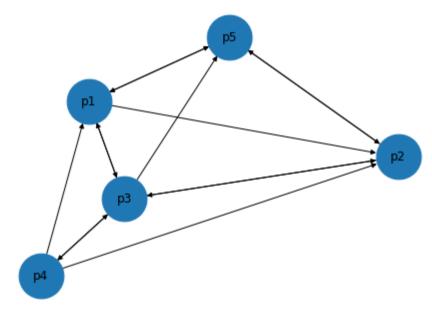
1 import networkx as nx







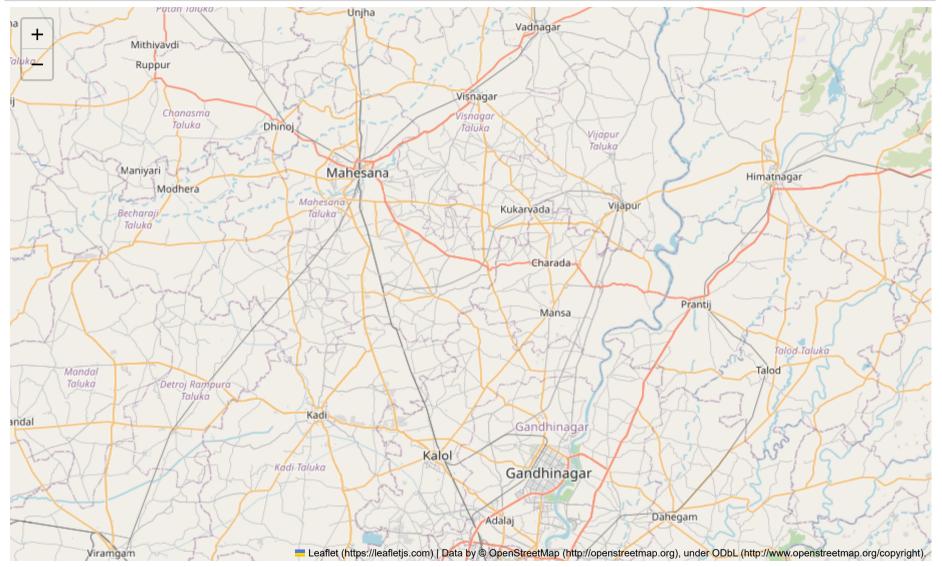
```
In [59]:
           1 insta={'p1':[0,1,1,0,1],
           2
                    'p2':[0,0,1,0,1],
           3
                    'p3':[1,1,0,1,1],
           4
                    'p4':[1,1,1,0,0],
                    'p5':[1,1,0,0,0]
           5
           7 G=nx.DiGraph()
             for i , follower in enumerate(insta):
                  for j, follows in enumerate(insta[follower]):
           9
                      if follows:
          10
                          G.add_edge(follower,list(insta.keys())[j])
          11
          12 nx.draw(G,with_labels=True,node_size=2000)
```



```
In [62]: 1
```

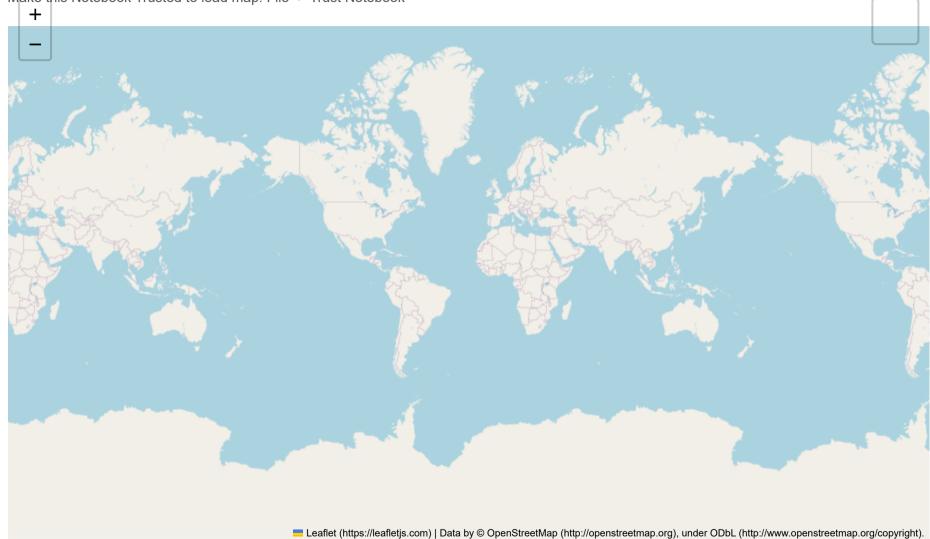


Out[65]:

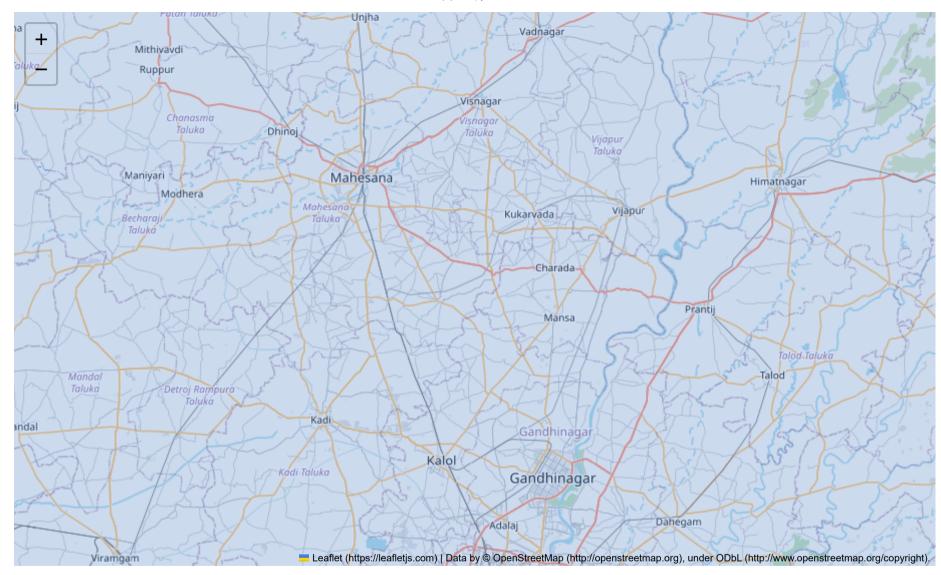


4/2/25, 12:20 PM CH2(3) - Jupyter Notebook

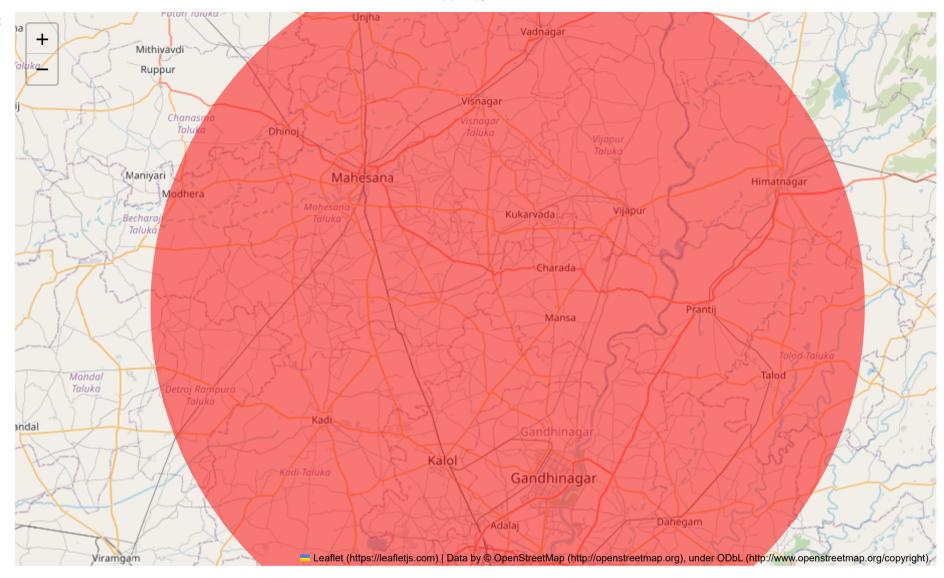
Out[69]: Make this Notebook Trusted to load map: File -> Trust Notebook

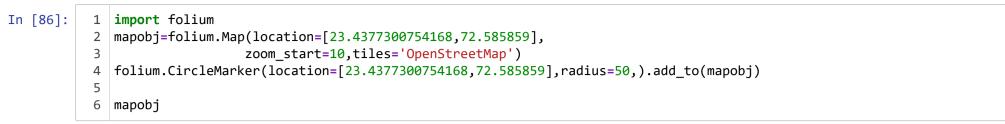


Out[75]:

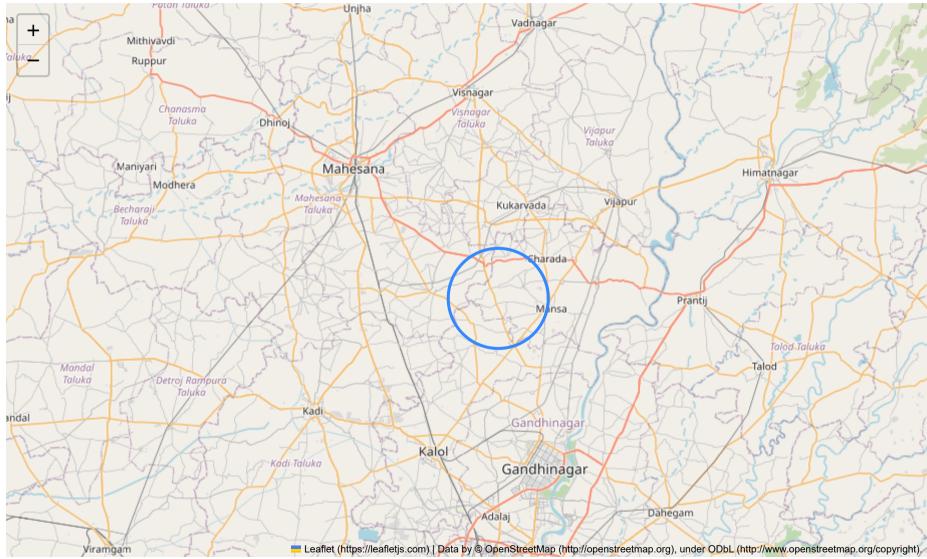


Out[81]:





Out[86]:



In [6]: 1 import folium

```
1 import folium
In [16]:
           2
           3 m = folium.Map(location=[23.4377, 72.5858], zoom_start=5)
             folium.Circle(
                 location=[23.4377, 72.5858],
                 radius=5000,
           7
           8
                 fill=True,
                 tooltip="B3 is best",
           9
                 popup=folium.Popup('''<h2>This is popup</h2>
          10
                                       <a href="http://localhost:8888/tree">Vishal10</a>''', max_width=500)).add_to(m)
          11
          12
          13
          14 m
          15
```

Out[16]:

