In [3]:

```
#this is the practical no_14

pip install -U textblob
```

```
Collecting textblob
  Downloading textblob-0.17.1-py2.py3-none-any.whl (636 kB)
Requirement already satisfied: nltk>=3.1 in c:\users\vikas pawar\anaconda3
\lib\site-packages (from textblob) (3.7)
Requirement already satisfied: tqdm in c:\users\vikas pawar\anaconda3\lib
\site-packages (from nltk>=3.1->textblob) (4.64.0)
Requirement already satisfied: regex>=2021.8.3 in c:\users\vikas pawar\ana
conda3\lib\site-packages (from nltk>=3.1->textblob) (2022.3.15)
Requirement already satisfied: click in c:\users\vikas pawar\anaconda3\lib
\site-packages (from nltk>=3.1->textblob) (8.0.4)
Requirement already satisfied: joblib in c:\users\vikas pawar\anaconda3\li
b\site-packages (from nltk>=3.1->textblob) (1.1.0)
Requirement already satisfied: colorama in c:\users\vikas pawar\anaconda3
\lib\site-packages (from click->nltk>=3.1->textblob) (0.4.4)
Installing collected packages: textblob
Successfully installed textblob-0.17.1
Note: you may need to restart the kernel to use updated packages.
```

In [4]:

```
from textblob import TextBlob
Feedback1 = "The Food at Radison was awesome"
Feedback2 = "The Food at Radison was very good"
blob1 = TextBlob(Feedback1)
blob2 = TextBlob(Feedback2)
print(blob1.sentiment)
print(blob2.sentiment)
```

```
Sentiment(polarity=1.0, subjectivity=1.0)
Sentiment(polarity=0.9099999999999999, subjectivity=0.7800000000000001)
```

In [ ]:

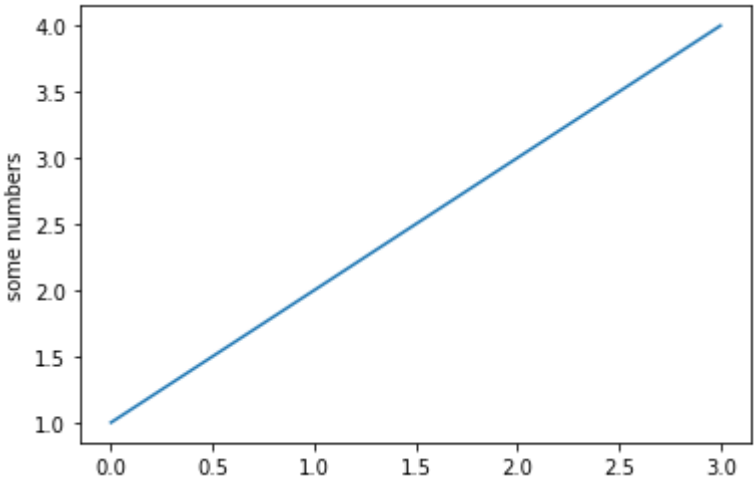
```
# Create the data for the chart.
H <- c(7,12,28,3,41)
# Give the chart file a name. png(file = "barchart.png") # Plot the bar chart.
barplot(H)
# Save the file. dev.off()
```

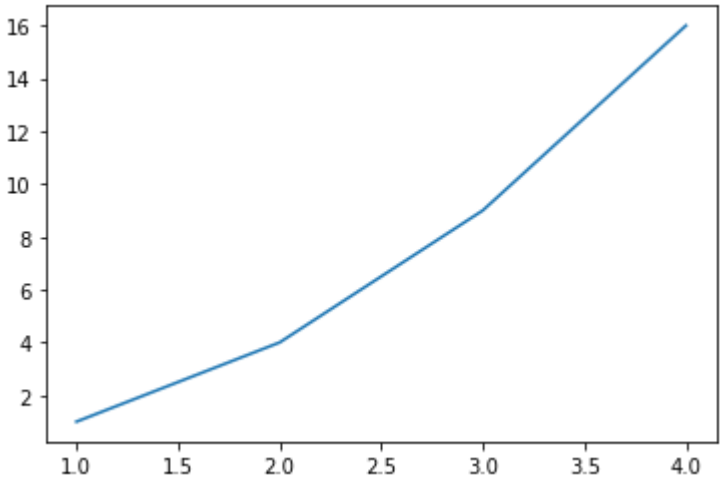
In [2]:

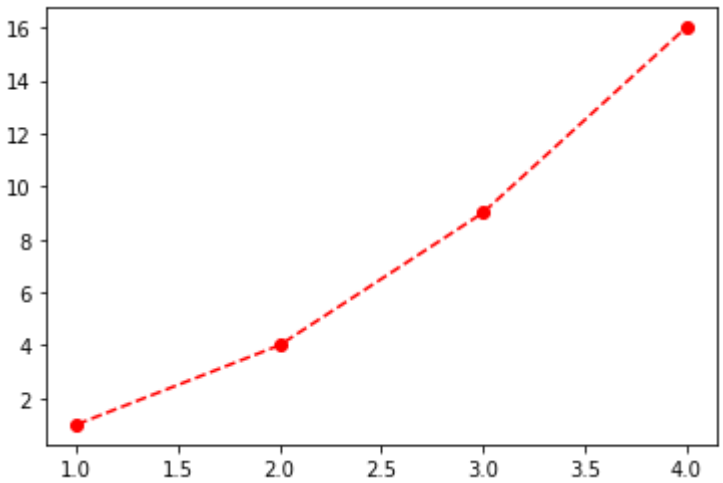
```
#plot1
import matplotlib.pyplot as plt
plt.plot([1, 2, 3, 4])
plt.ylabel('some numbers')
plt.show()

plt.plot([1, 2, 3, 4], [1, 4, 9, 16])
plt.show()

plt.plot([1, 2, 3, 4], [1, 4, 9, 16], 'ro')
plt.plot([1, 2, 3, 4], [1, 4, 9, 16], 'r--')
plt.show()
```

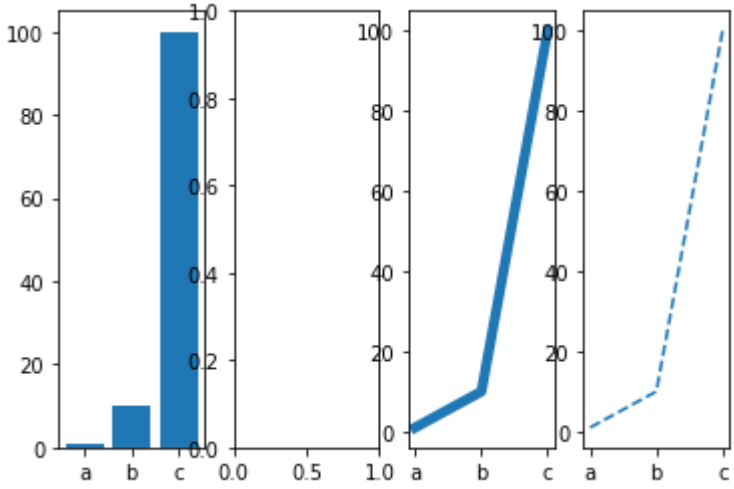






In [1]:

```
## plot2
import matplotlib.pyplot as plt
names = ['a', 'b', 'c']
values = [1, 10, 100]
plt.subplot(141)
plt.bar(names, values)
plt.subplot(142)
#plt.scatter(names, values)
plt.subplot(143)
plt.plot(names, values, linewidth=5.0)
plt.subplot(144)
plt.plot(names, values, '--')
plt.show()
```



In [5]:

```
## Plot3
import matplotlib.pyplot as plt
import seaborn as sns
import pandas as pd
pstore = pd.read_csv("C:/Users/vikas pawar/Downloads/dataset_Facebook.csv")
pstore.head(10)
```

Out[5]:

	Page total likes	Type	Category	Post Month	Post Weekday	Post Hour	Paid	Lifetime Post Total Reach	Lifetime Post Total Impressions	Lifetime Engaged Users
0	139441	Photo	2	12	4	3	0.0	2752	5091	178
1	139441	Status	2	12	3	10	0.0	10460	19057	1457
2	139441	Photo	3	12	3	3	0.0	2413	4373	177
3	139441	Photo	2	12	2	10	1.0	50128	87991	2211
4	139441	Photo	2	12	2	3	0.0	7244	13594	671
5	139441	Status	2	12	1	9	0.0	10472	20849	1191
6	139441	Photo	3	12	1	3	1.0	11692	19479	481
7	139441	Photo	3	12	7	9	1.0	13720	24137	537
8	139441	Status	2	12	7	3	0.0	11844	22538	1530
9	139441	Photo	3	12	6	10	0.0	4694	8668	280

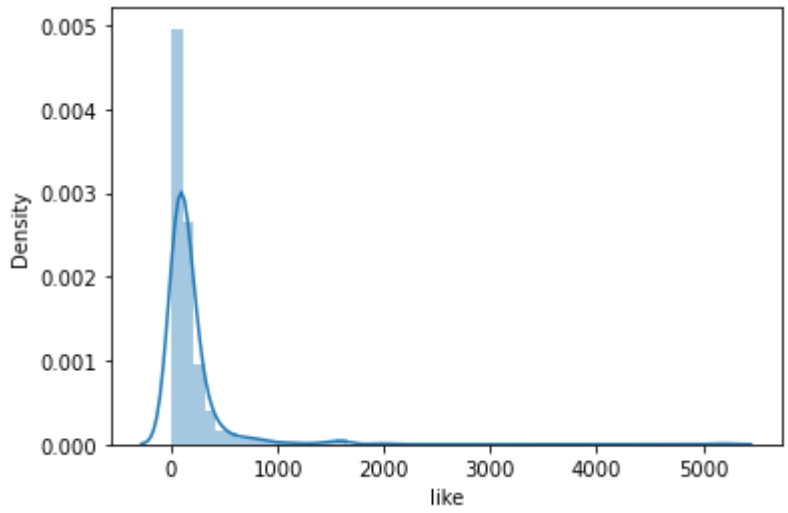
In [6]:

```
#Create a distribution plot for rating
sns.distplot(pstore.like)
```

```
C:\Users\vikas pawar\anaconda3\lib\site-packages\seaborn\distributions.py:
2619: FutureWarning: `distplot` is a deprecated function and will be remov
ed in a future version. Please adapt your code to use either `displot` (a
figure-level function with similar flexibility) or `histplot` (an axes-lev
el function for histograms).
  warnings.warn(msg, FutureWarning)
```

Out[6]:

```
<AxesSubplot:xlabel='like', ylabel='Density'>
```



In [19]:

```
#Adding dark background to the graph
plt.style.use("dark_background")
```

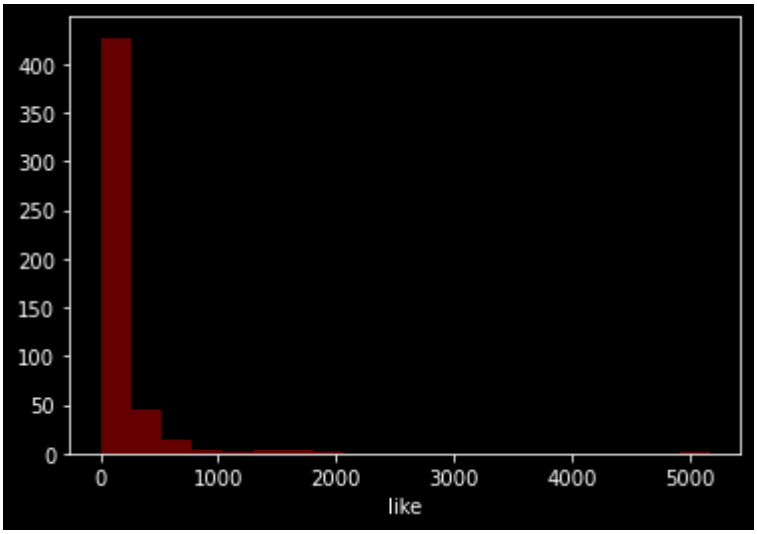
In [17]:

```
#Change the number of bins
sns.distplot(pstore.like, bins=20, kde = False, color='red')
```

```
C:\Users\vikas pawar\anaconda3\lib\site-packages\seaborn\distributions.py:
2619: FutureWarning: `distplot` is a deprecated function and will be remov
ed in a future version. Please adapt your code to use either `displot` (a
figure-level function with similar flexibility) or `histplot` (an axes-lev
el function for histograms).
  warnings.warn(msg, FutureWarning)
```

Out[17]:

```
<AxesSubplot:xlabel='like'>
```

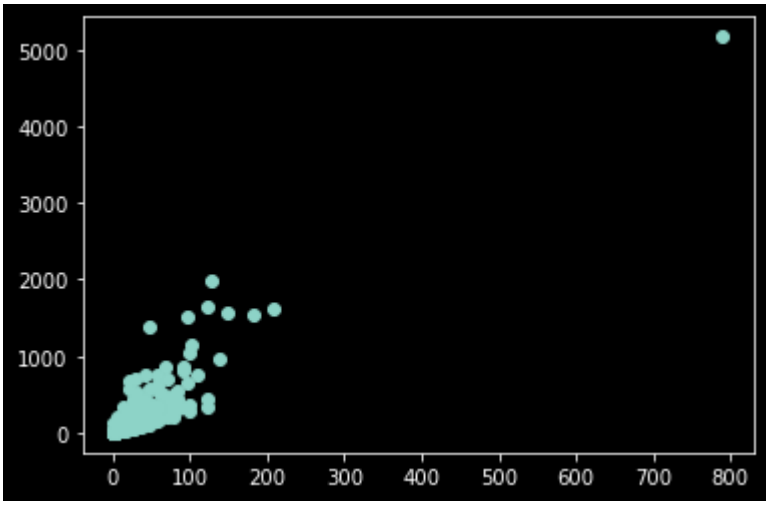


In [10]:

```
#Plotting the scatter plot
plt.scatter(pstore.share, pstore.like)
```

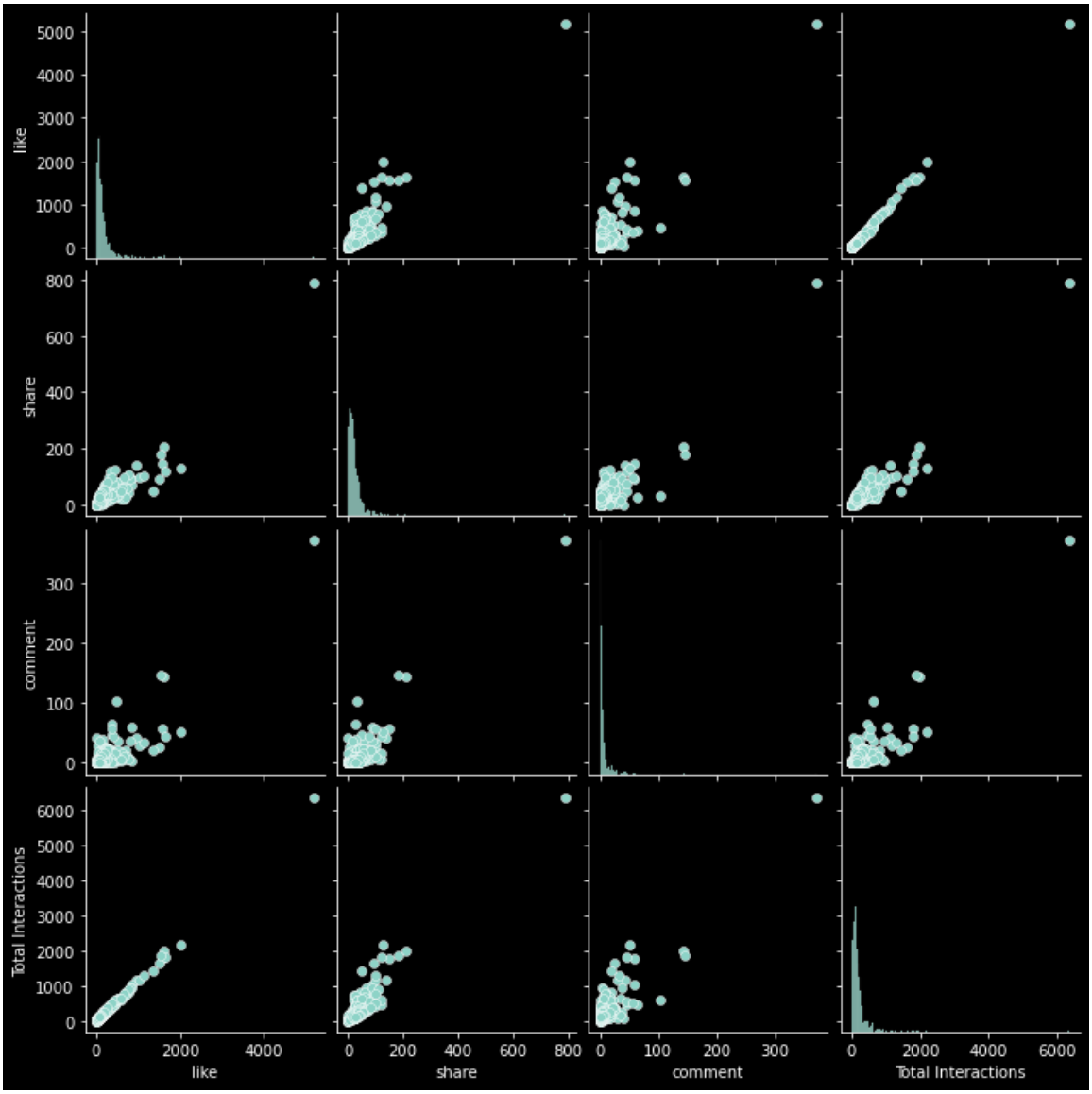
Out[10]:

```
<matplotlib.collections.PathCollection at 0x134fea8c220>
```



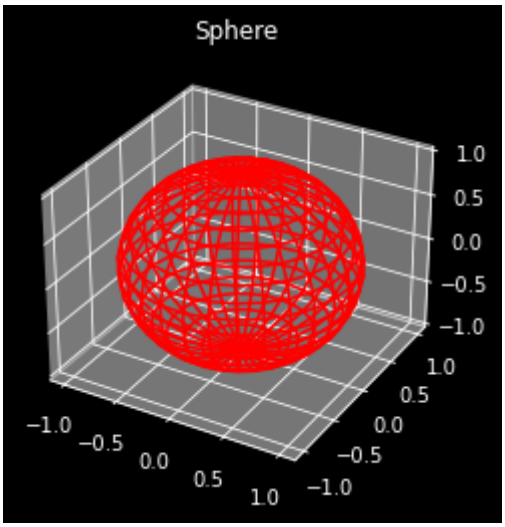
In [14]:

```
# Plotting the same thing now using a jointplot
sns.pairplot(pstore[['like', 'share', 'comment','Total Interactions']])
plt.show()
```



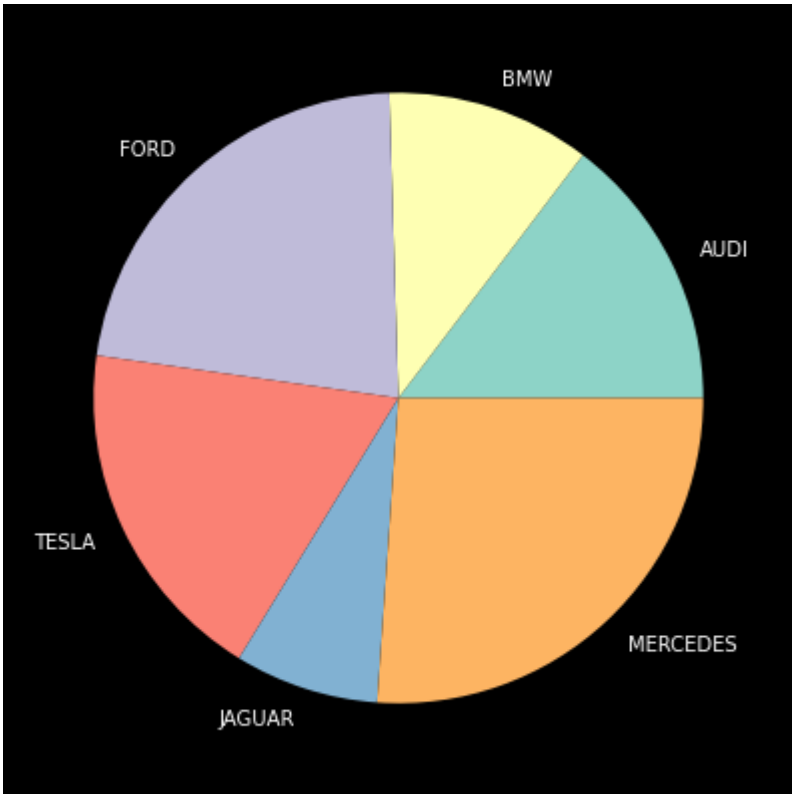
In [20]:

```
# 3D plot
import matplotlib.pyplot as plt
import numpy as np
fig = plt.figure()
ax = fig.add_subplot(111, projection='3d')
u, v = np.mgrid[0:2 * np.pi:30j, 0:np.pi:20j]
x = np.cos(u) * np.sin(v)
y = np.sin(u) * np.sin(v)
z = np.cos(v)
ax.plot_wireframe(x, y, z, color="red")
ax.set_title("Sphere")
plt.show()
```



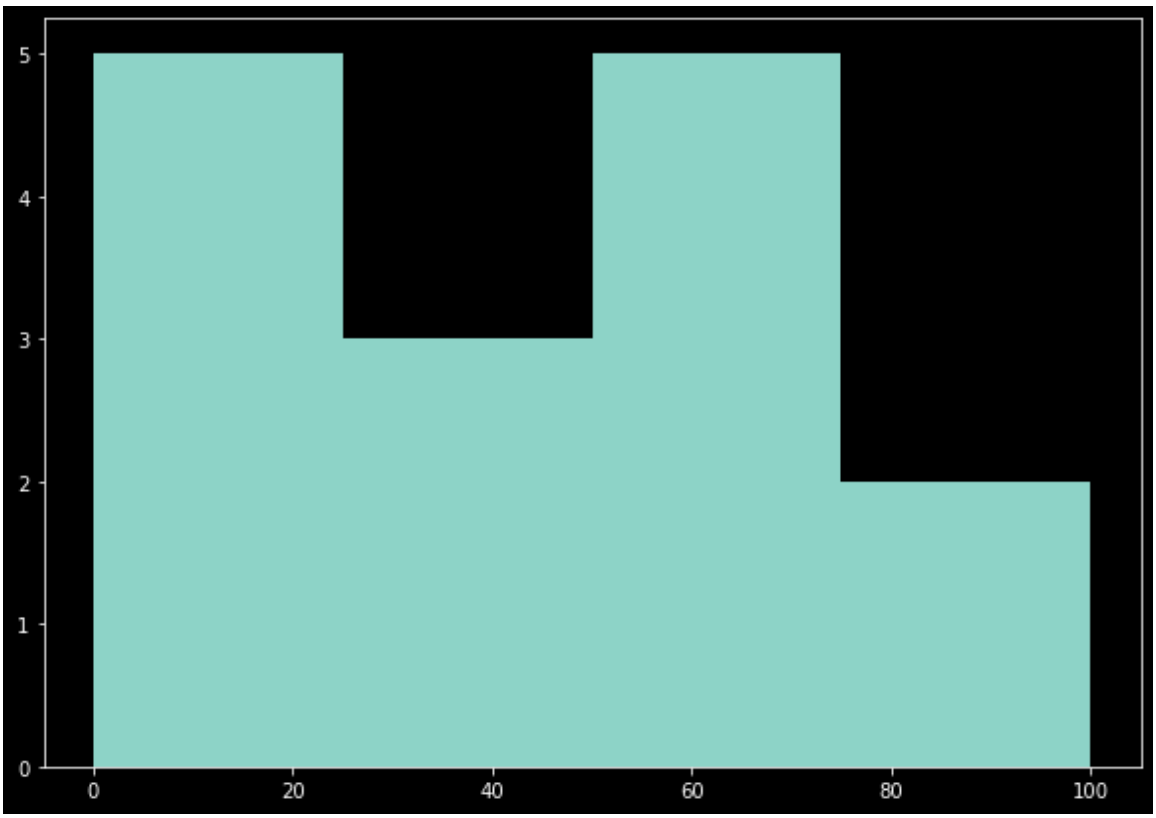
In [21]:

```
#PI Plot
import matplotlib.pyplot as plt
import numpy as np
# Creating dataset
cars = ['AUDI', 'BMW', 'FORD', 'TESLA', 'JAGUAR', 'MERCEDES']
data = [23, 17, 35, 29, 12, 41]
# Creating plot
fig = plt.figure(figsize =(10, 7))
plt.pie(data, labels = cars)
plt.show()
```



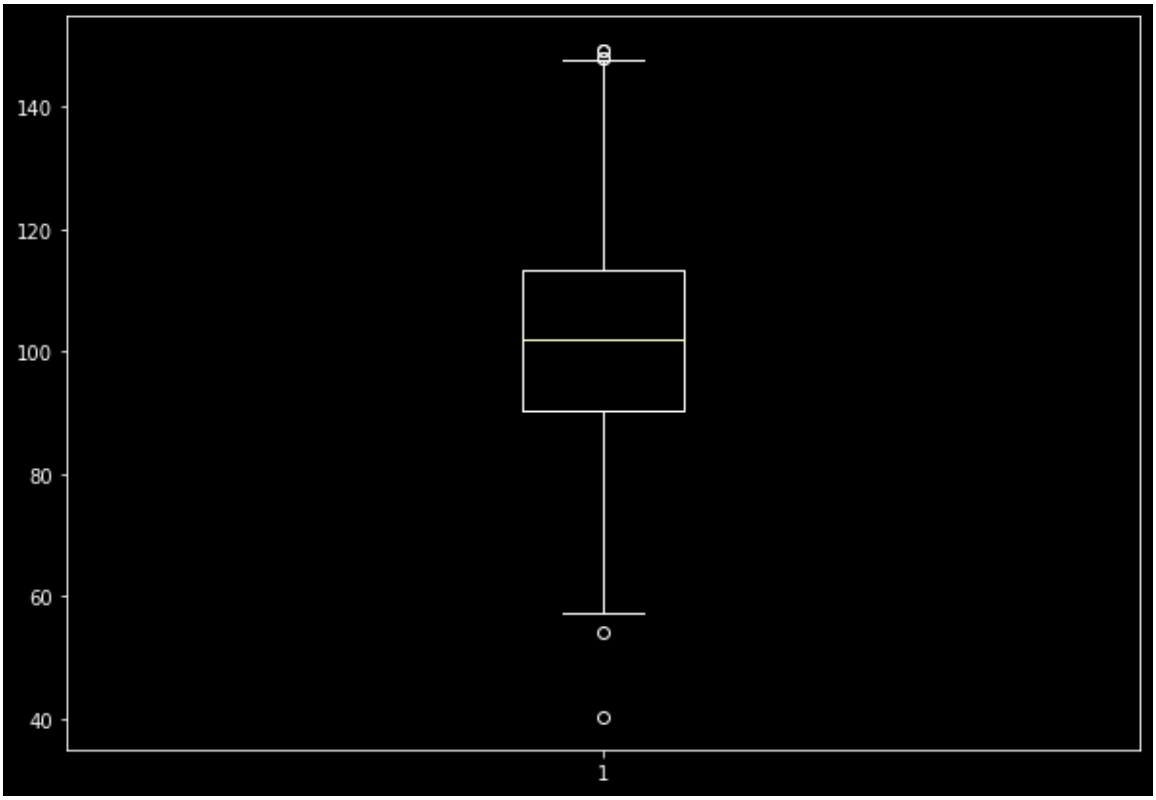
In [22]:

```
import matplotlib.pyplot as plt
import numpy as np
# Creating dataset
a = np.array([22, 87, 5, 43, 56, 73, 55, 54, 11, 20, 51, 5, 79, 31, 27])
# Creating histogram
fig, ax = plt.subplots(figsize =(10, 7))
ax.hist(a, bins = [0, 25, 50, 75, 100])
plt.show()
```



In [23]:

```
# Box Plot
import matplotlib.pyplot as plt
import numpy as np
# Creating dataset
np.random.seed(10)
data = np.random.normal(100, 20, 200)
fig = plt.figure(figsize =(10, 7))
# Creating plot
plt.boxplot(data)
# show plot
plt.show()
```



In [26]:

```
mkdir scraper
pip install beautifulsoup4
pip install requests
pip install pandas
```

```
  Input In [26]
    mkdir scraper
          ^
SyntaxError: invalid syntax
```

In [25]:

```
##https://www.freecodecamp.org/news/scraping-ecommerce-
website-with-python/

##https://rentechdigital.com/smartscraper/review-scraping

import requests
from bs4 import BeautifulSoup
import pandas as pd

baseurl = "https://www.thewhiskyexchange.com"
headers = {'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64;
x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/89.0.4389.82 Safari/537.36'}
productlinks = []
t={}
data=[]
c=0
for x in range(1,6):
k=requests.get('https://www.thewhiskyexchange.com/c/35/ja
panese-whisky?pg={}&psize=24&sort=pasc'.format(x)).text
soup=BeautifulSoup(k,'html.parser')

productlist=soup.find_all("li",{"class":"product-
grid__item"})

print(productlist)

for product in productlist:
link=product.find("a",{"class":"product-card"}).get('href')
productlinks.append(baseurl + link)

for link in productlinks:
f = requests.get(link,headers=headers).text
hun=BeautifulSoup(f,'html.parser')
try:
price=hun.find("p",{"class":"product-

action__price"}).text.replace('\n',"")
except:
price = None
try:

about=hun.find("div",{"class":"product-
main__description"}).text.replace('\n',"")

except:
about=None
try:

rating=hun.find("div",{"class":"review-
overview"}).text.replace('\n',"")

except:
rating=None
try:

name=hun.find("h1",{"class":"product-
main__name"}).text.replace('\n',"")
```

```
except:
name=None
whisky=
{"name":name,"price":price,"rating":rating,"about":about}
data.append(whisky)
c=c+1
print("completed",c)
df = pd.DataFrame(data)
print(df)
df.to_csv('review scraper.csv')
print("check csv file in your folder...........")
```

```
  Input In [25]
    website-with-python/
            ^
SyntaxError: invalid syntax
```

In [ ]: