

Assignment-2-Set-1-Q1.

In [1]:

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
%matplotlib inline
```

In [2]:

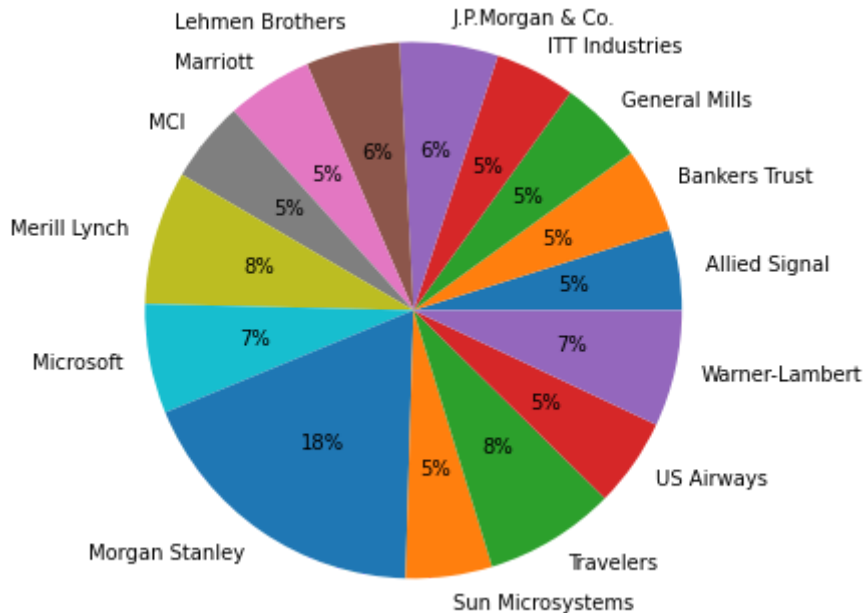
```
x=pd.Series([24.23,25.53,25.41,24.14,29.62,28.25,25.81,24.39,40.26,32.95,91.36,25.99,39.42,
```

In [3]:

```
name=['Allied Signal','Bankers Trust','General Mills','ITT Industries','J.P.Morgan & Co.','Merill Lynch','Microsoft','Morgan Stanley','Sun Microsystems','Travelers','US Airways
```

In [6]:

```
# Pie Plot
plt.figure(figsize=(6,8))
plt.pie(x,labels=name,autopct='%1.0f%%')
plt.show()
```



In [7]:

```
# Box Plot to find outliers  
sns.boxplot(x)
```

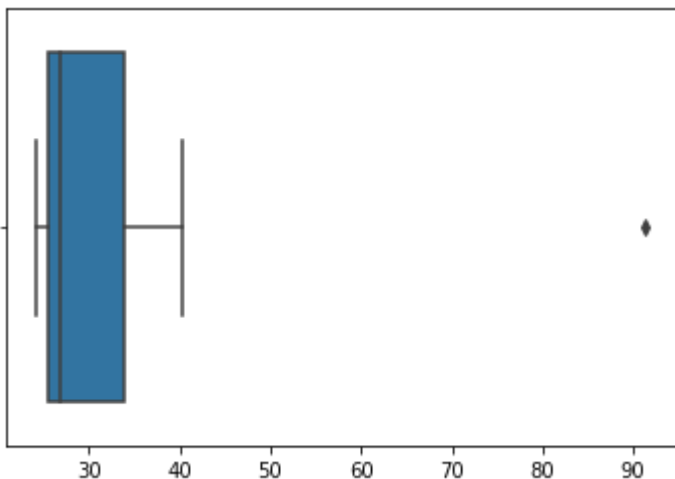
C:\Users\LENOVO\anaconda3\lib\site-packages\seaborn_decorators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

```
warnings.warn(  

```

Out[7]:

<AxesSubplot:>



In [8]:

```
# Mean  
x.mean()
```

Out[8]:

33.27133333333333

In [9]:

```
# Variance  
x.var()
```

Out[9]:

287.1466123809524

In [10]:

```
# Standard Deviation  
x.std()
```

Out[10]:

16.945400921222028

In []:

In []: