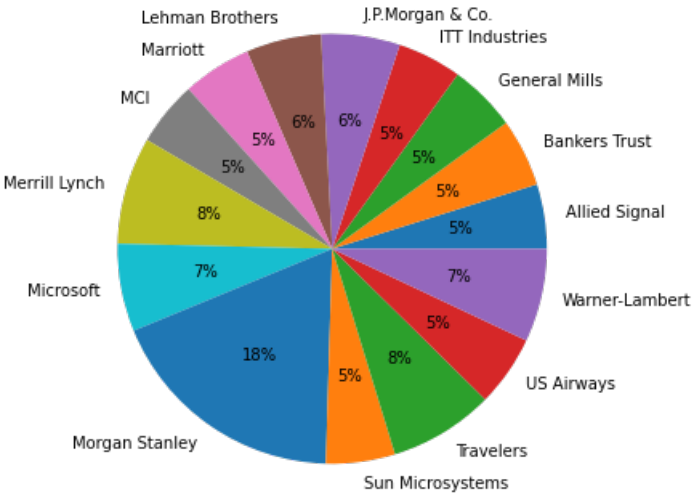
Assignment-2-Set1-Q1 (Basic Statistic Level-2)

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([24.23,25.53,25.41,24.14,29.62,28.25,25.81,24.39,40.26,32.95,91.36,25.99,39.42,26.71,35.00])
```

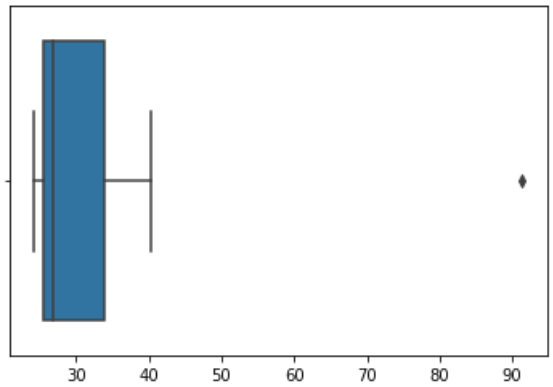
In [3]:
```
name=['Allied Signal','Bankers Trust','General Mills','ITT Industries','J.P.Morgan & Co.','Lehman Brothers',
      'Marriott','MCI','Merrill Lynch','Microsoft','Morgan Stanley','Sun Microsystems','Travelers','US Airways',
      'Warner-Lambert']
```

In [4]:
```
# Pie Plot
plt.figure(figsize=(6,8))
plt.pie(x,labels=name,autopct='%1.0f%%')
plt.show()
```



In [5]:
```
# Box Plot to find outliars
sns.boxplot(x)
```

C:\Users\HP\anaconda3\lib\site-packages\seaborn_decorators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From version 0.12, th
e 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[5]:<AxesSubplot:>



In [6]:
```
# Mean
x.mean()
```

Out[6]:33.27133333333333

In [7]:
```
# Vairance
x.var()
```

Out[7]:287.1466123809524

In [8]:
```
# Standard Deviation
x.std()
```

Out[8]:16.945400921222028

In [ ]: