Assignment-2-Set 1 (Basic Statistic Level-2)

Qus.no.1

In [12]:
```python
import numpy as np
import pandas as pd
import warnings
warnings.filterwarnings('ignore')
import matplotlib.pyplot as plt
import seaborn as sns
%matplotlib inline
```

In [13]:
```python
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])
```
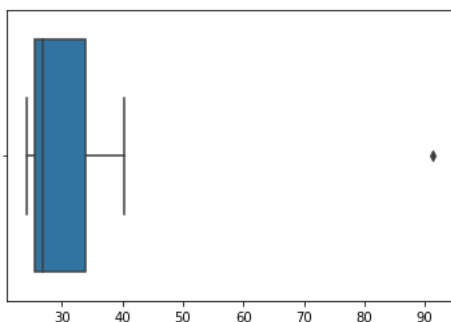
In [14]:
```python
name=['Allied Signal','Bankers Trust','General Mills','ITT Industries','J.P.Morgan & Co','Lehman Brothers','Marriott','MCI',
```

In [15]:
```python
# Pie Plot
plt.figure(figsize=(6,8))
plt.pie(x,labels=name, autopct='%1.0f%%')
plt.show()
```
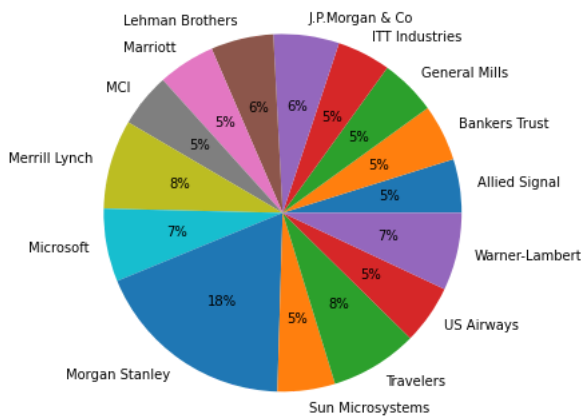

In [16]:
```python
# Boxplot to find outliers
sns.boxplot(x)
```

Out[16]: <AxesSubplot:>

In [17]:
```python
# mean
x.mean()
```

Out[17]: 33.27133333333333

In [18]:
```python
# Variance
x.var()
```

Out[18]: 287.1466123809524

In [19]:
```python
# Standard Deviation
x.std()
```

Out[19]: 16.945400921222028

In [ ]: