In [24]:

```
import pandas as pd
import numpy as np
```

In [25]:

```
measures = pd.read_excel('data.xlsx')
measures
```

Out[25]:

	Name of company	Measure X
0	Allied Signal	0.2423
1	Bankers Trust	0.2553
2	General Mills	0.2541
3	ITT Industries	0.2414
4	J.P.Morgan & Co.	0.2962
5	Lehman Brothers	0.2825
6	Marriott	0.2581
7	MCI	0.2439
8	Merrill Lynch	0.4026
9	Microsoft	0.3295
10	Morgan Stanley	0.9136
11	Sun Microsystems	0.2599
12	Travelers	0.3942
13	US Airways	0.2671
14	Warner-Lambert	0.3500

In [26]:

```
x = measures['Measure X']
x
```

Out[26]:

```
0     0.2423
1     0.2553
2     0.2541
3     0.2414
4     0.2962
5     0.2825
6     0.2581
7     0.2439
8     0.4026
9     0.3295
10    0.9136
11    0.2599
12    0.3942
13    0.2671
14    0.3500
Name: Measure X, dtype: float64
```

In [38]:

```
np.transpose(measures,axes=None)
```

Out[38]:

	0	1	2	3	4	5	6	7	8	
Name of company	Allied Signal	Bankers Trust	General Mills	ITT Industries	J.P.Morgan & Co.	Lehman Brothers	Marriott	MCI	Merrill Lynch	Mic
Measure X	0.2423	0.2553	0.2541	0.2414	0.2962	0.2825	0.2581	0.2439	0.4026	0

In [41]:

```
t = [0.2423,0.2553,0.2541,0.2414,0.2962,0.2825,0.2581,0.2439,0.4026,0.3295,0.9136,0.2599,0.
```

In [43]:

```
t.sort()
print(t)
```

```
[0.2414, 0.2423, 0.2439, 0.2541, 0.2553, 0.2581, 0.2599, 0.2671, 0.2825, 0.2
962, 0.3295, 0.35, 0.3942, 0.4026, 0.9136]
```

In [4]:

```
x.mean()*100
```

Out[4]:

```
33.27133333333333
```

In [44]:

```
x.std()*100
```

Out[44]:

```
16.945400921222028
```

In [45]:

```
from matplotlib import pyplot as plt
```

In [50]:

```
plt.boxplot(x)
plt.show()
```