In [1]:
```
# Python program to get average of a list

# Importing the NumPy module
import numpy as np

# Taking a list of elements
list = [2, 40, 2, 502, 177, 7, 9]

# Calculating average using average()
print(np.average(list))
```

```
105.57142857142857
```

In [2]:
```
# Python program to get variance of a list

# Importing the NumPy module
import numpy as np

# Taking a list of elements
list = [2, 4, 4, 4, 5, 5, 7, 9]

# Calculating variance using var()
print(np.var(list))
```

```
4.0
```

In [3]:
```
# Python program to get
# standard deviation of a list

# Importing the NumPy module
import numpy as np

# Taking a list of elements
list = [2, 4, 4, 4, 5, 5, 7, 9]

# Calculating standard
# deviation using var()
print(np.std(list))
```

```
2.0
```

In [4]:
```
# Python Program illustrating
# numpy.median() method

import numpy as np

# 1D array
arr = [20, 2, 7, 1, 34]

print("arr : ", arr)
print("median of arr : ", np.median(arr))
```

```
arr :  [20, 2, 7, 1, 34]
median of arr :  7.0
```

In [10]:
```
#python program to calculate mode
import statistics as stat
import numpy as np
```

```
array_mode=np.array([10,8,7,6,7,6,6,5,5,4,3,2,4,4,4,4,4,4])
print(stat.mode(array_mode))
```

```
4
```