In [1]:
```
import numpy as np
```

In [2]:
```
# Load data from file
filedata = np.genfromtxt('data.txt', delimiter=',')
filedata = filedata.astype('int32')
filedata
```

Out[2]:
```
array([[  1,  13,  21,  11, 196,  75,   4,   3,  34,   6,   7,   8,   0,
          1,   2,   3,   4,   5],
       [  3,  42,  12,  33, 766,  75,   4,  55,   6,   4,   3,   4,   5,
          6,   7,   0,  11,  12],
       [  1,  22,  33,  11, 999,  11,   2,   1,  78,   0,   1,   2,   9,
          8,   7,   1,  76,  88]], dtype=int32)
```

In [3]:
```
# Boolean Masking and Advanced Indexing
```

In [4]:
```
filedata > 50
```

Out[4]:
```
array([[False, False, False, False,  True,  True, False, False, False,
        False, False, False, False, False, False, False, False, False],
       [False, False, False, False,  True,  True, False,  True, False,
        False, False, False, False, False, False, False, False, False],
       [False, False, False, False,  True, False, False, False,  True,
        False, False, False, False, False, False, False,  True,  True]])
```

In [5]:
```
# You can index with a list in NumPy
a = np.array([1,2,3,4,5,6,7,8,9])
a[[1,2,8]]
```

Out[5]:
```
array([2, 3, 9])
```

In [6]:
```
filedata[filedata > 50]
```

Out[6]:
```
array([196,  75, 766,  75,  55, 999,  78,  76,  88], dtype=int32)
```

The numpy.all() function tests whether all array elements along the mentioned axis evaluate to True.

In [7]:
```
np.all(filedata > 50, axis=1)
```

Out[7]:
```
array([False, False, False])
```

In [8]:
```
((filedata > 50) & (filedata < 100))
```

Out[8]:
```
array([[False, False, False, False, False,  True, False, False, False,
        False, False, False, False, False, False, False, False, False],
       [False, False, False, False, False,  True, False,  True, False,
        False, False, False, False, False, False, False, False, False],
       [False, False, False, False, False, False, False, False,  True,
        False, False, False, False, False, False, False,  True,  True]])
```

In [9]:
```
filedata[((filedata > 50) & (filedata < 100))]
```

Out[9]:
```
array([75, 75, 55, 78, 76, 88], dtype=int32)
```