

Test Title

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# Chapter 1

## random lists

### 1.1 Introduction

[link to algorithms book](#)  
here is some text under the link

```
this is a test
```

here is more text under the link

#### Master Method

- chapter 4 in book
- $f(n) = \Omega n$
- another item
- hello there

#### Analysis of Quicksort

- worst case vs average case
- chapter 7

#### Partitioning Schemes

- quick selection
- median of median
- chapter 9

#### Data Structures

- priority Queues
- Heaps
- ```
#!/usr/bin/python

def test():
    print 'this_is_a_test'

test();
```
- Test item
- Chapter 6

### 1.2 testing

lets see if this will work  
this is a test to see if updates work

```
#!/usr/bin/python

def test():
    print 'this_is_a_test'

test();
```

another line here  
there should be two lines between block listings

```
this is a test
```

### 1.3 Number Two Test

here is some text before the number two file

```
#!/usr/python

import os

def numberTwo():
    print 'this_is_the_number_two_test_file'
    print 'another_print_statement_in_this_test_file'

numberTwo();
```

the output of the second file will be below

```
this is the number two test file
another print statement in this test file
```

this is some text under the output of the second file