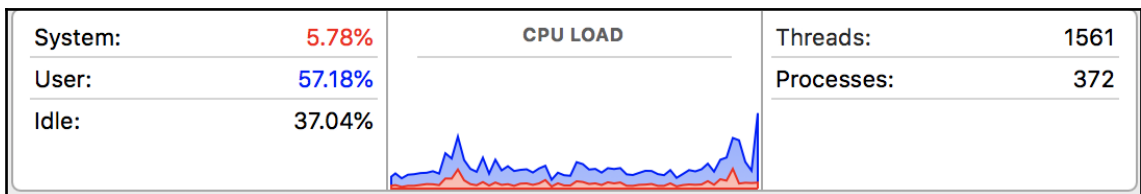
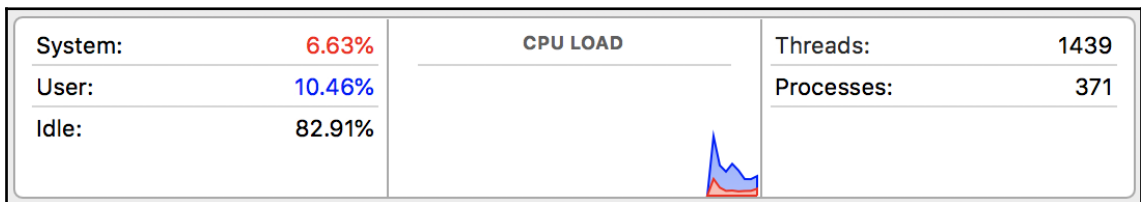
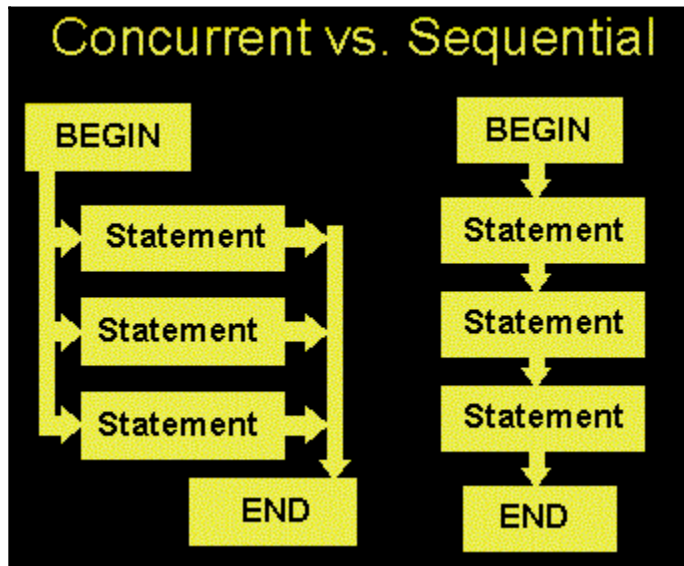
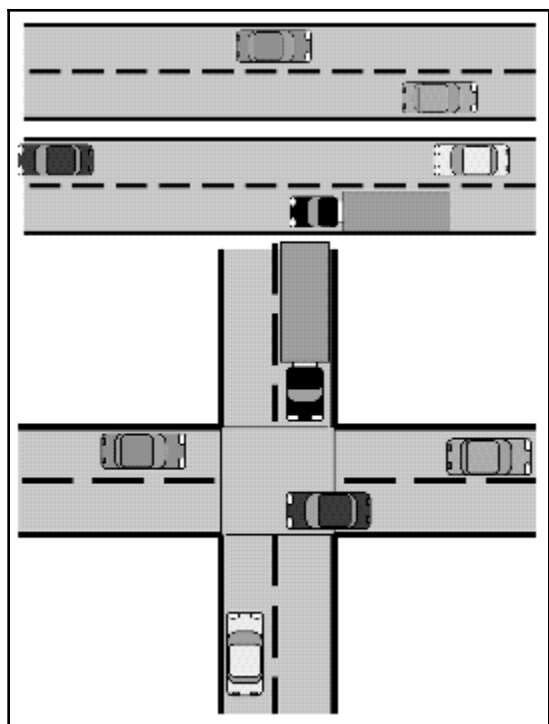
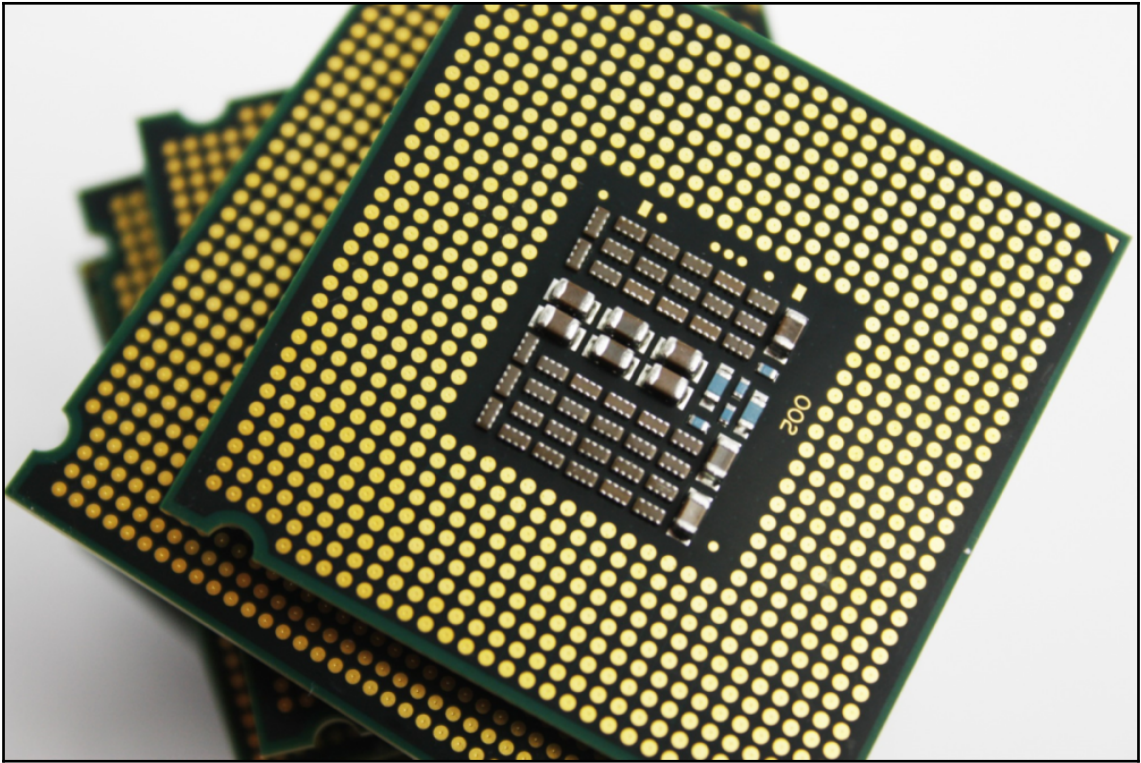


Chapter 1: Advanced Introduction to Concurrent and Parallel Programming







github.com

Create new file Upload files Find file Clone or download

Clone with HTTPS ?

Use Git or checkout with SVN using the web URL.

https://github.com/benedict-jw/Ben-2048

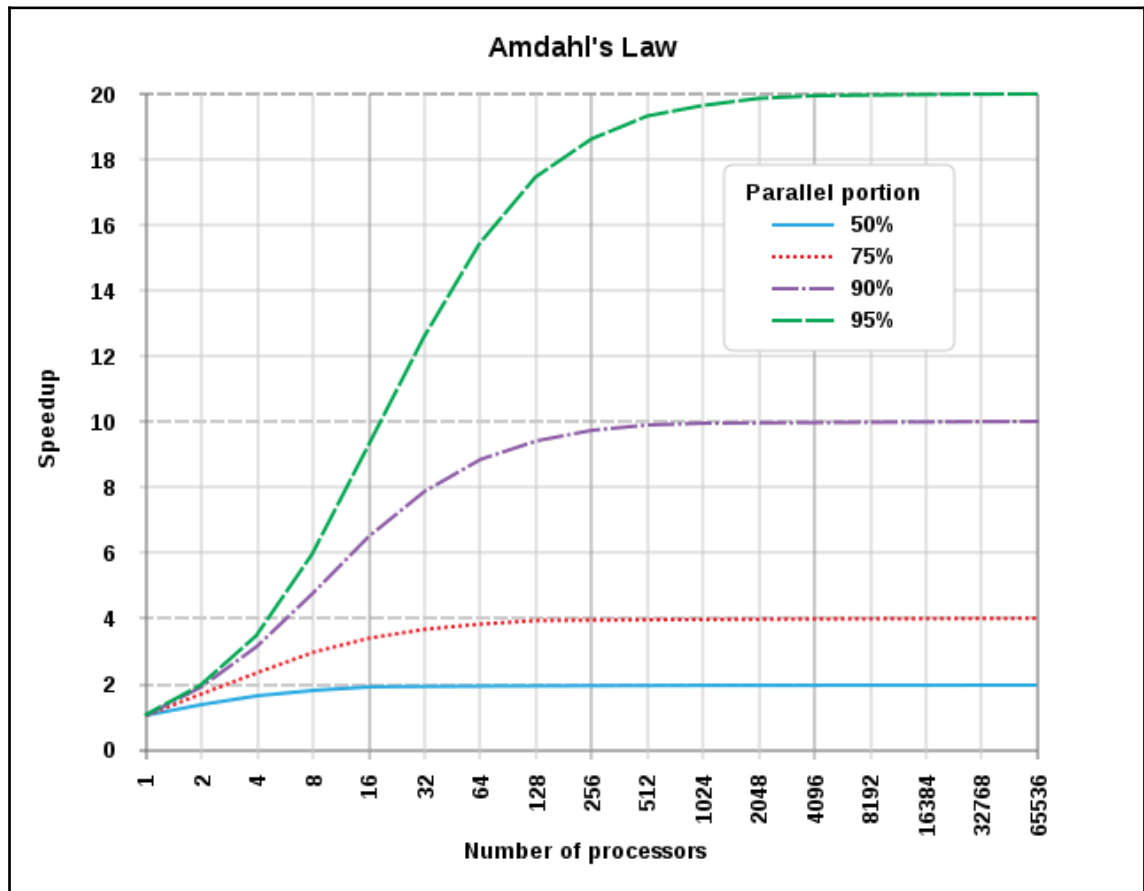
Use SSH

Open in Desktop

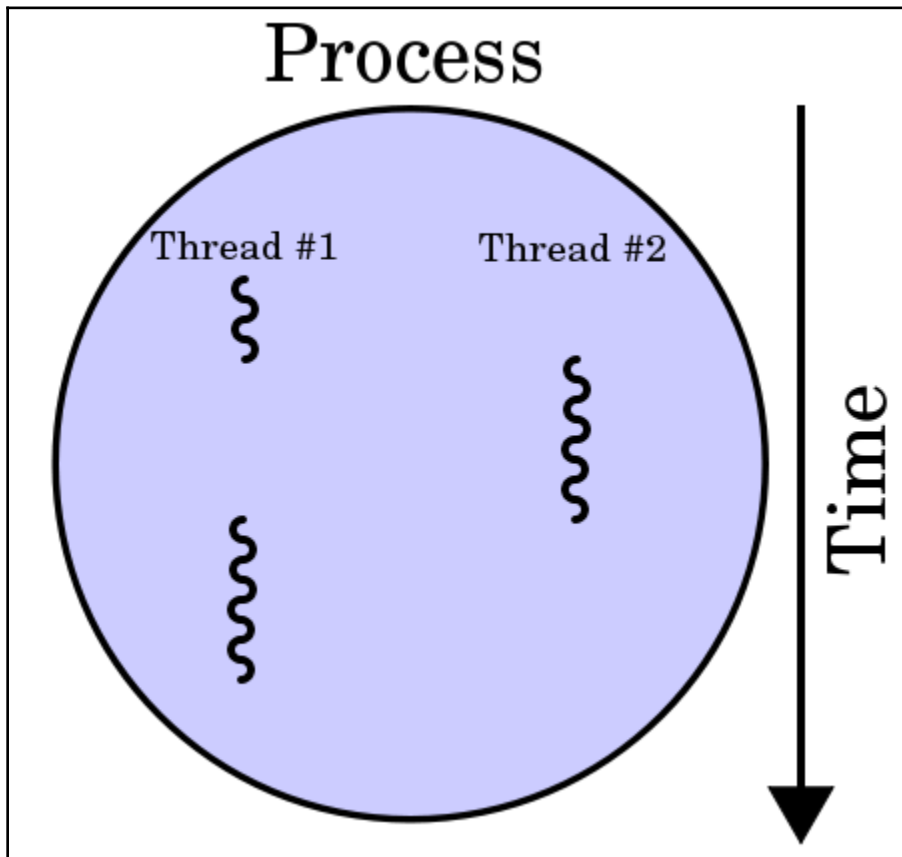
Download ZIP

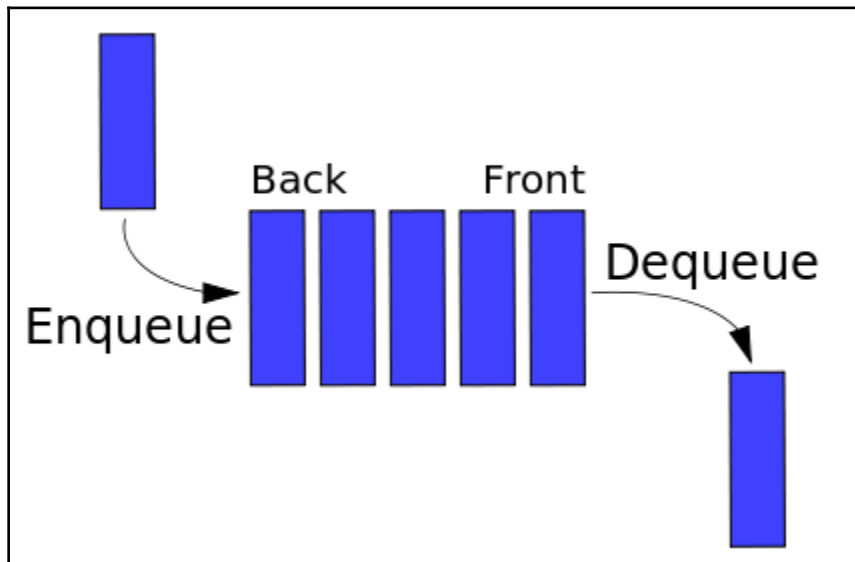
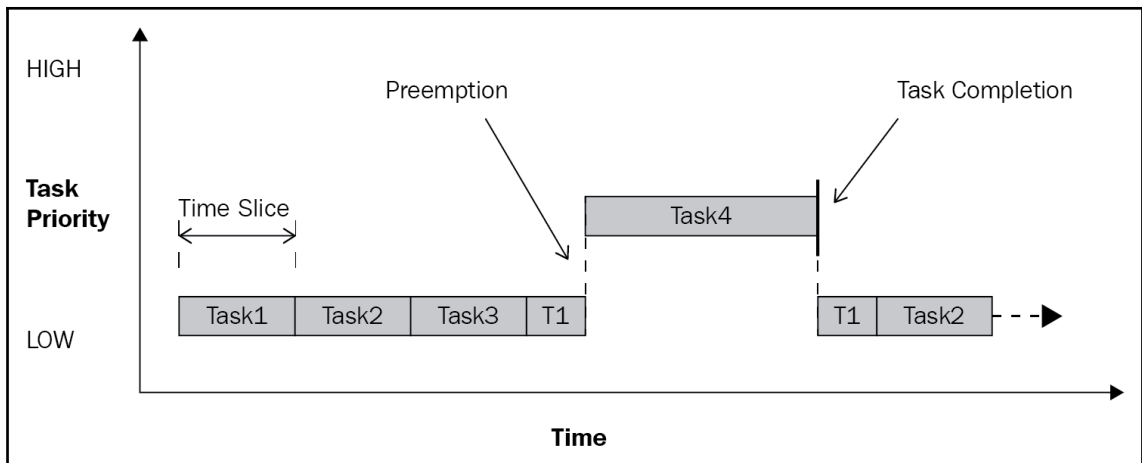
updating sdk	
Update Code Signing Identity	
Update m2048-Info.plist	a month ago
Initial Commit	2 years ago

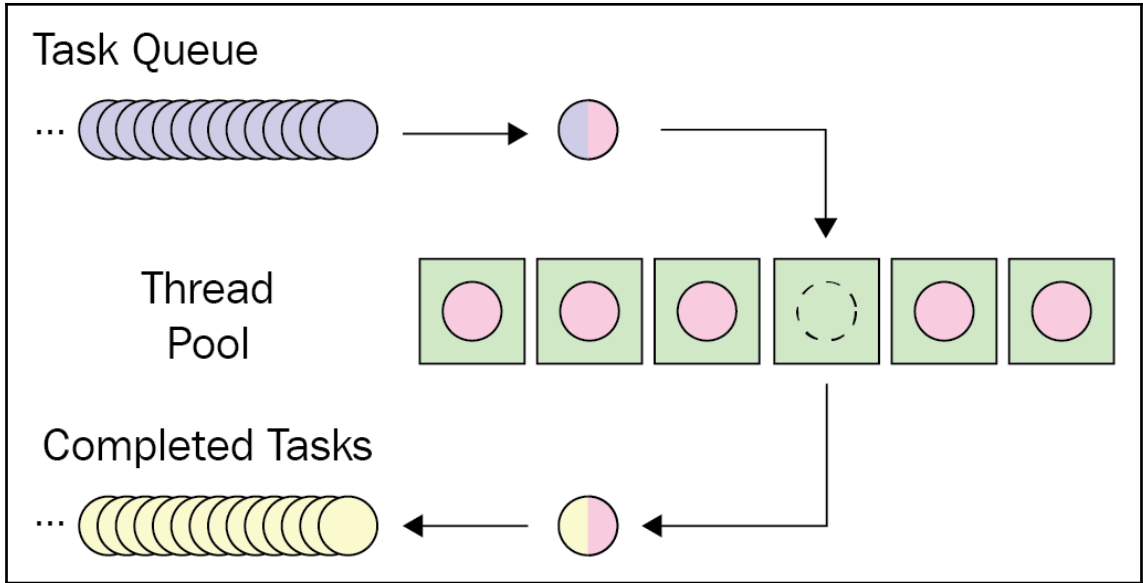
Chapter 2: Amdahl's Law



Chapter 3: Working with Threads in Python







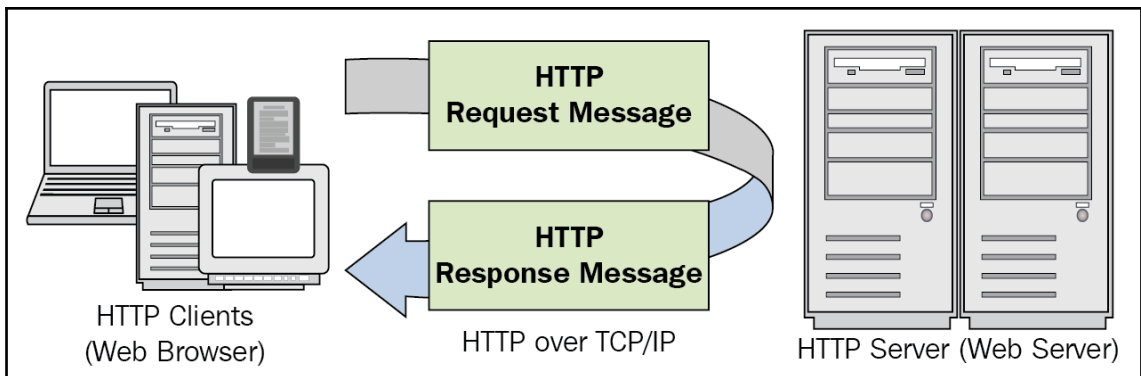
Chapter 4: Using the with Statement in Threads

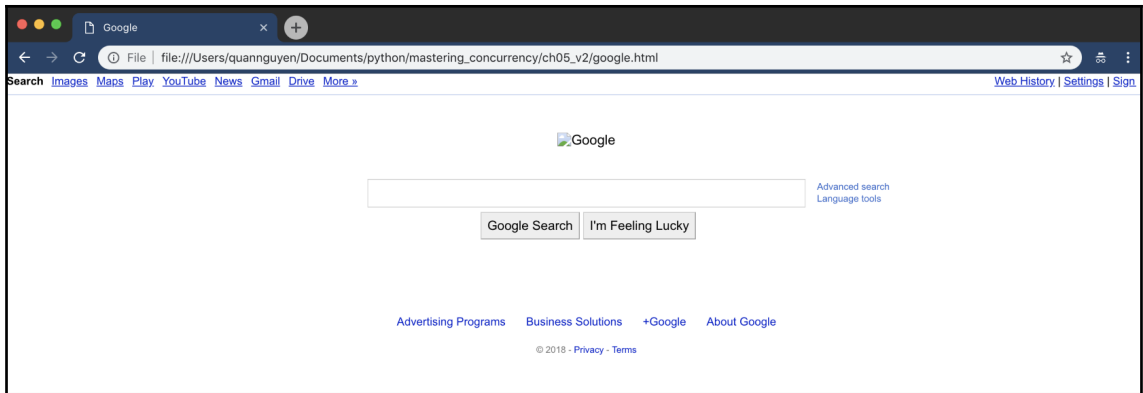
No images

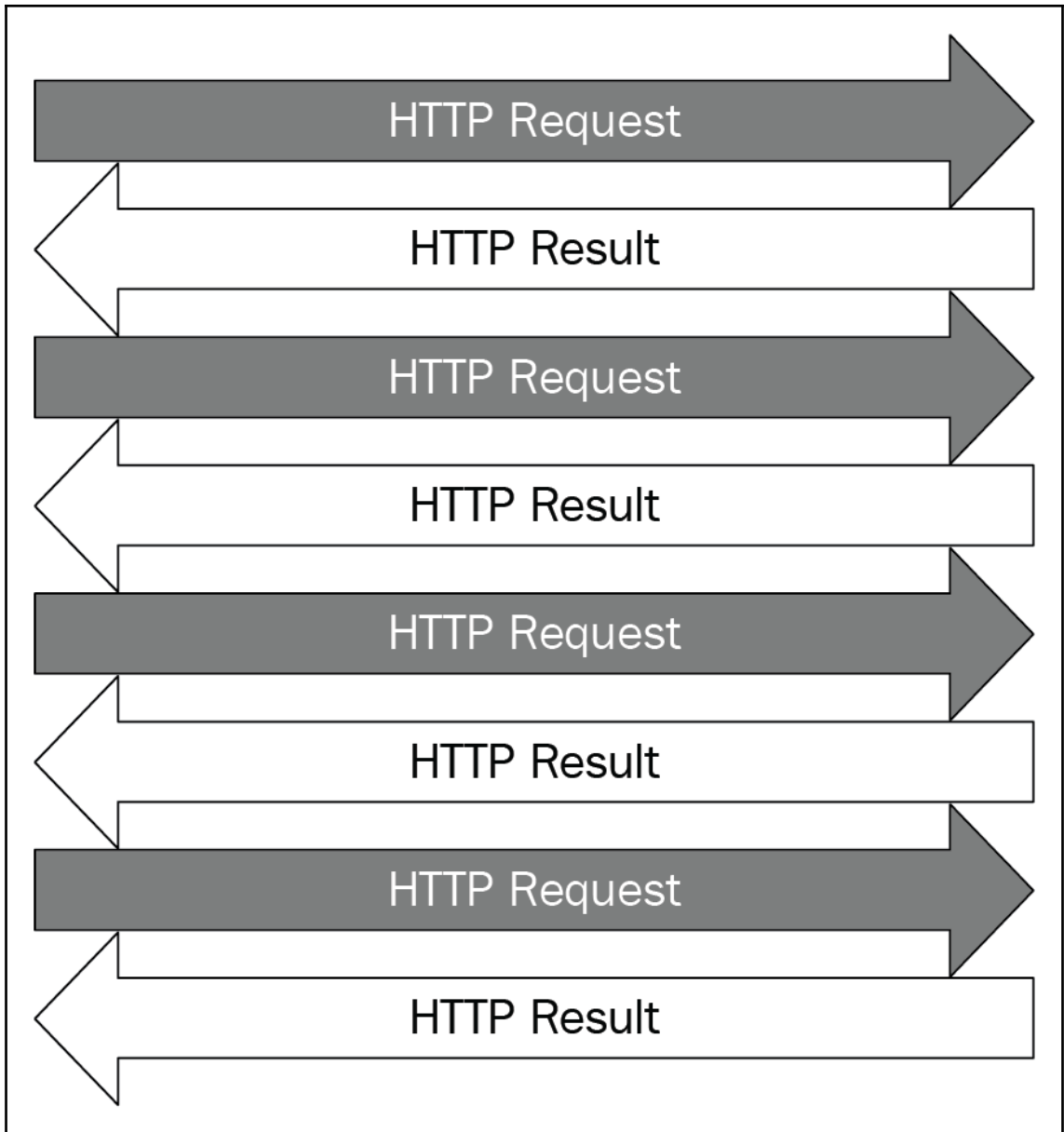
Chapter 5: Concurrent Web Requests

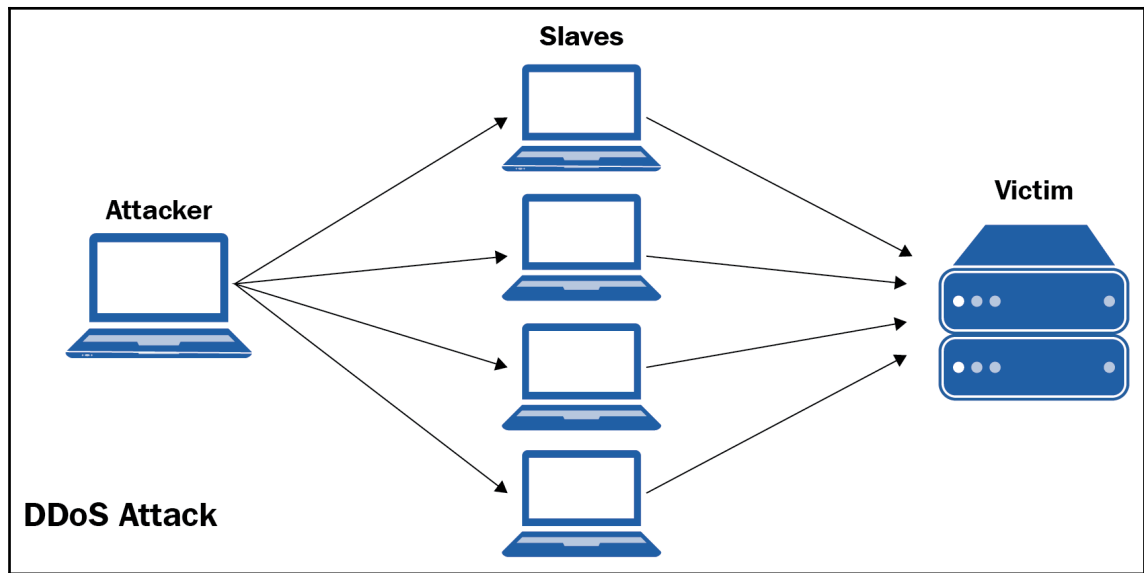
```
< > index.html reuseheader.html reusefooter.html menu.html events.html styles.css x
1
2 <div class="topNavTop">
3   <p>Welcome to Chilli restaurant</p>
4   <div class="topNavRight">
5     
6     <p>416-455-3221</p>
7     
8     <p>info@company.com</p>
9     
10  </div>
11 </div>
12 <div class="topNavBottom">
13   
14   <div class="topNavRightBottom">
15     <a href="index.html">HOME</a>
16     <a href="menu.html">MENU</a>
17     <a href="events.html">EVENTS</a>
18     <a href="#contact">CONTACT</a>
19   </div>
20 </div>
```

Line 1, Column 1 1 misspelled word Tab Size: 4

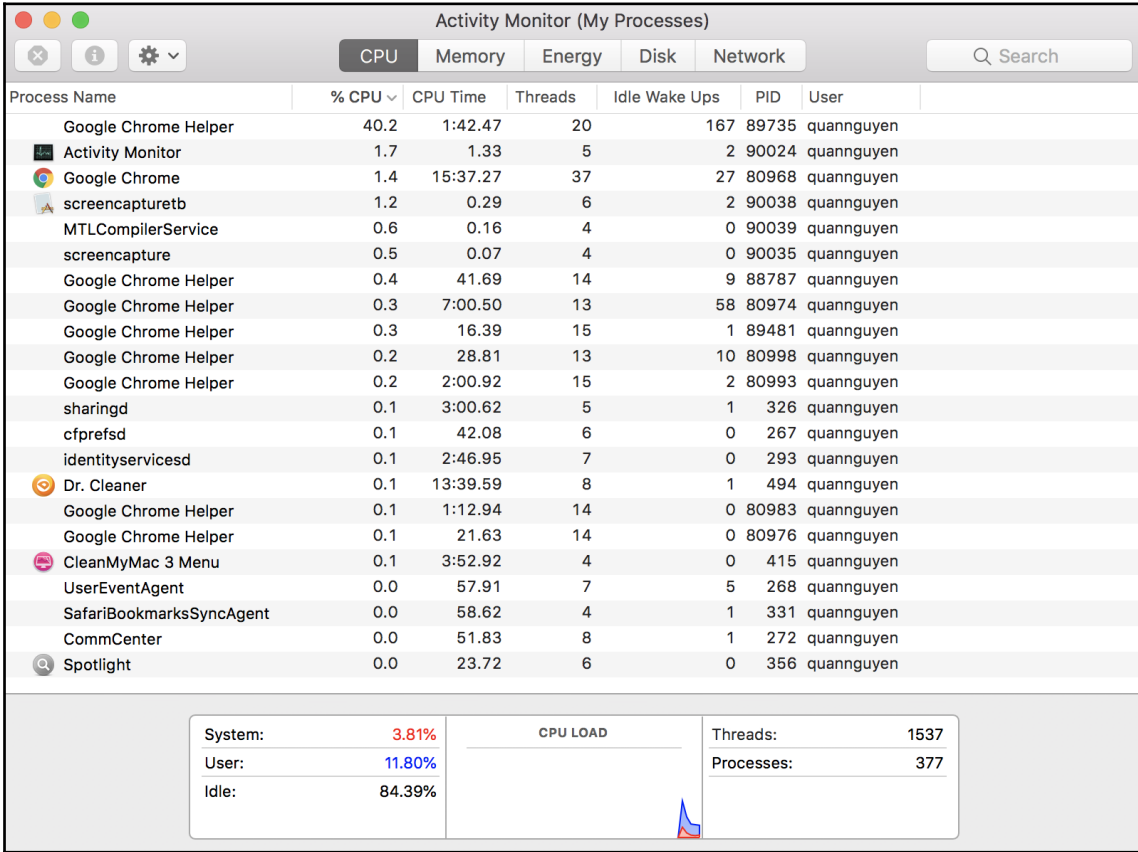


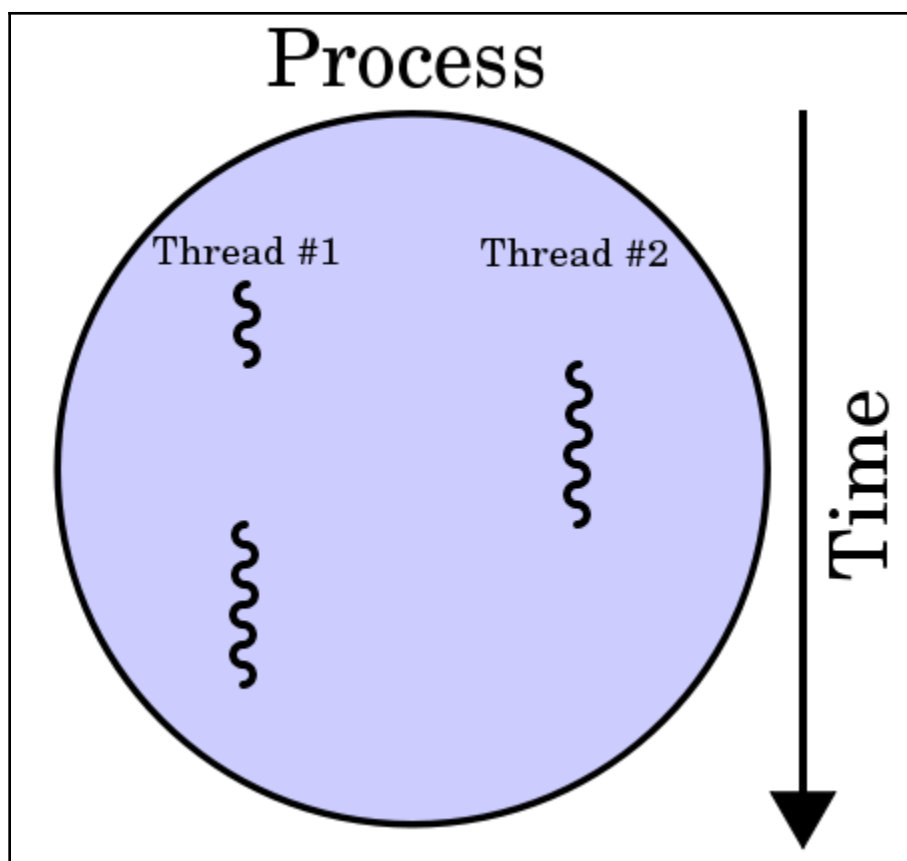


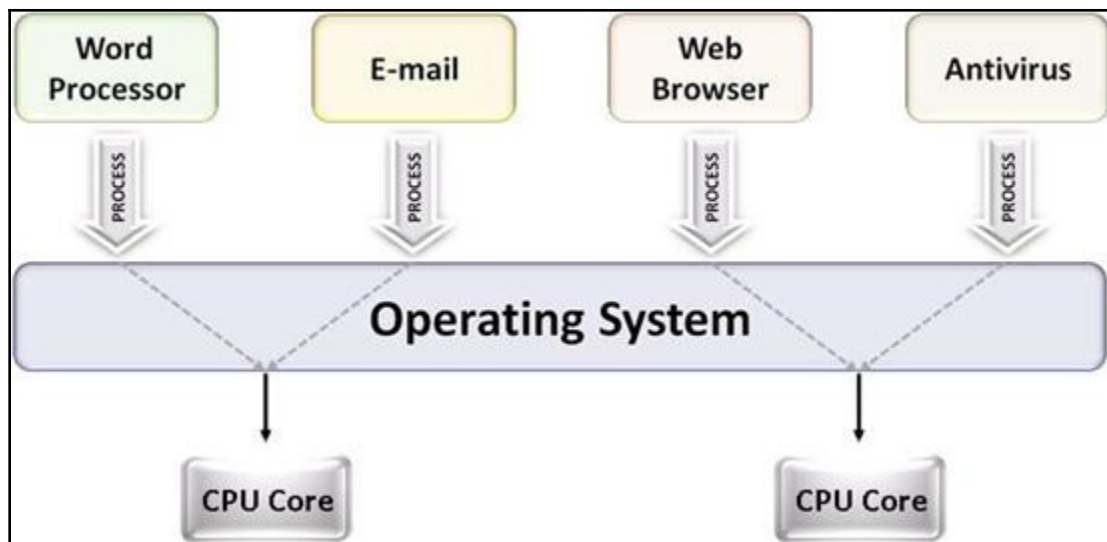




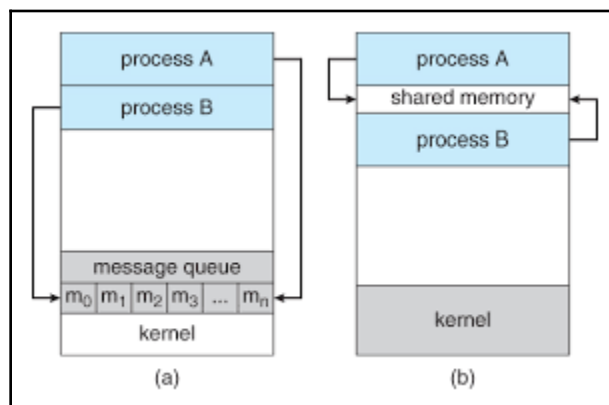
Chapter 6: Working with Processes in Python



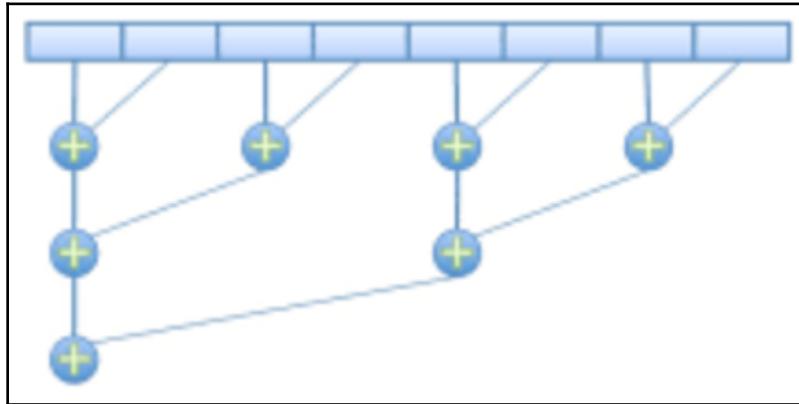




Process Name	% CPU	CPU Time	Threads	Idle Wake Ups	PID ^	User
Terminal	0.0	41.16	6	0	14803	quannguyen
MTLCompilerService	0.0	0.13	2	0	14804	quannguyen
bash	0.0	0.39	1	0	14806	quannguyen



Chapter 7: Reduction Operators in Processes



Iteration 1

Task queue:

1	4	8	3	2	5
---	---	---	---	---	---

Result queue:

5	11	7
---	----	---

Iteration 2

Task queue:

5	11	7
---	----	---

Result queue:

16	7
----	---

Iteration 3

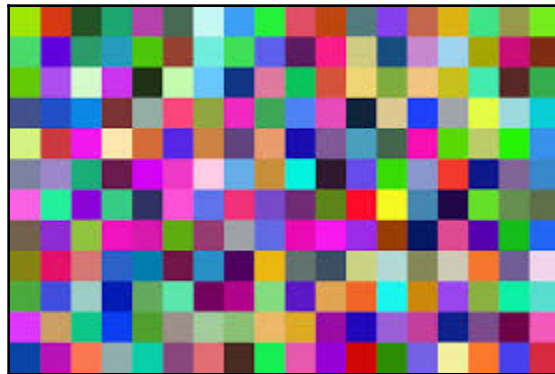
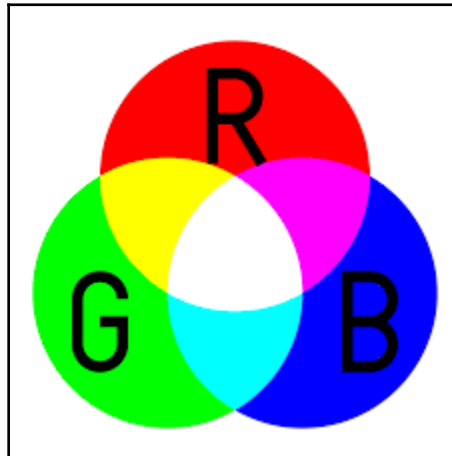
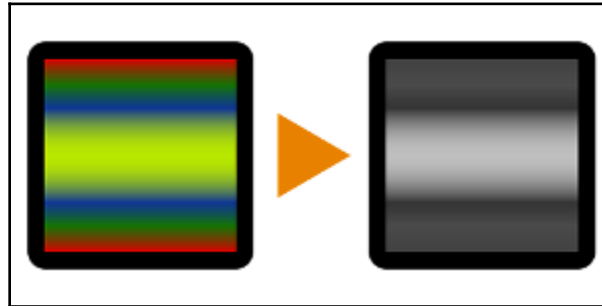
Task queue:

16	7
----	---

Result queue:

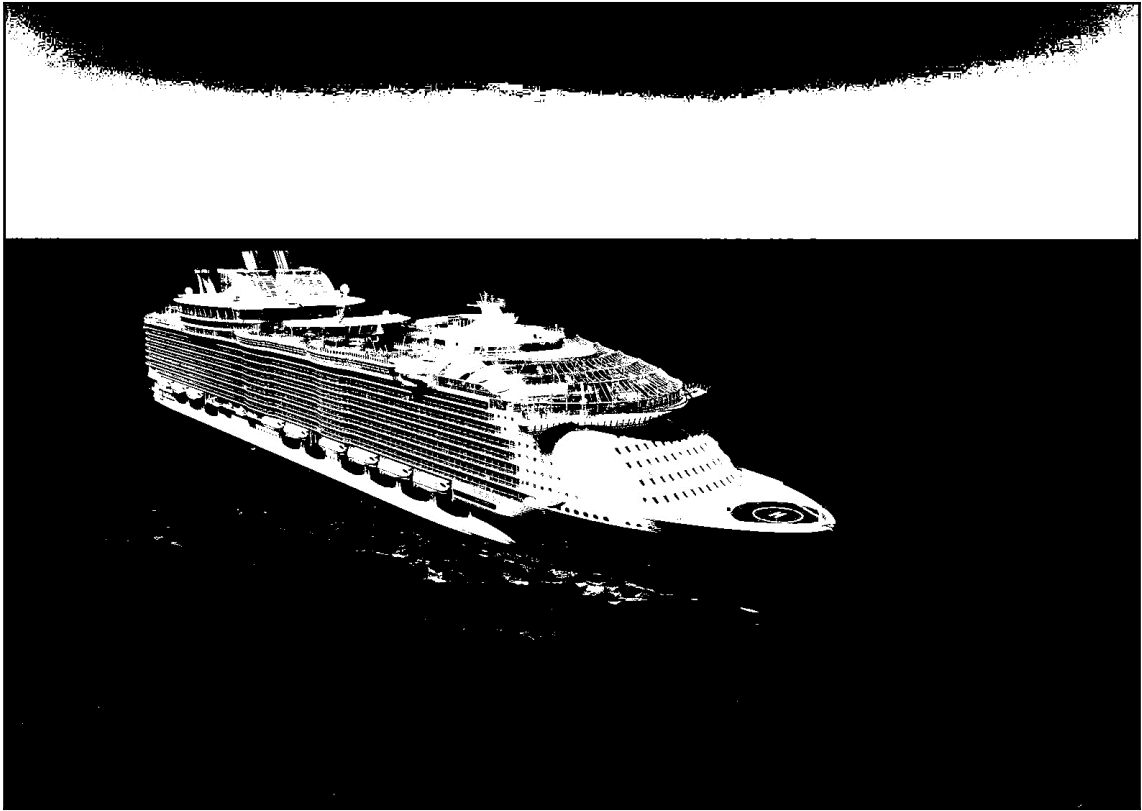
23

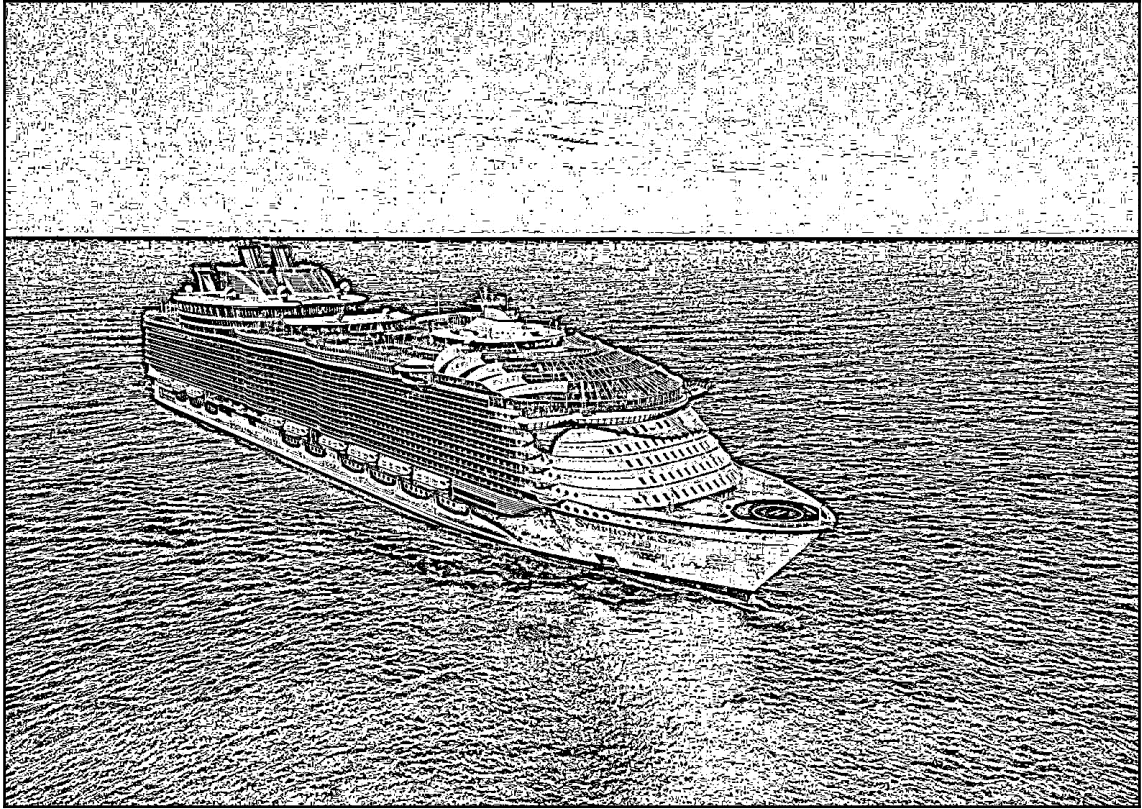
Chapter 8: Concurrent Image Processing

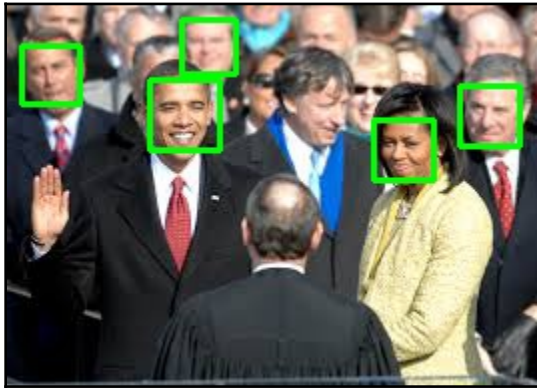
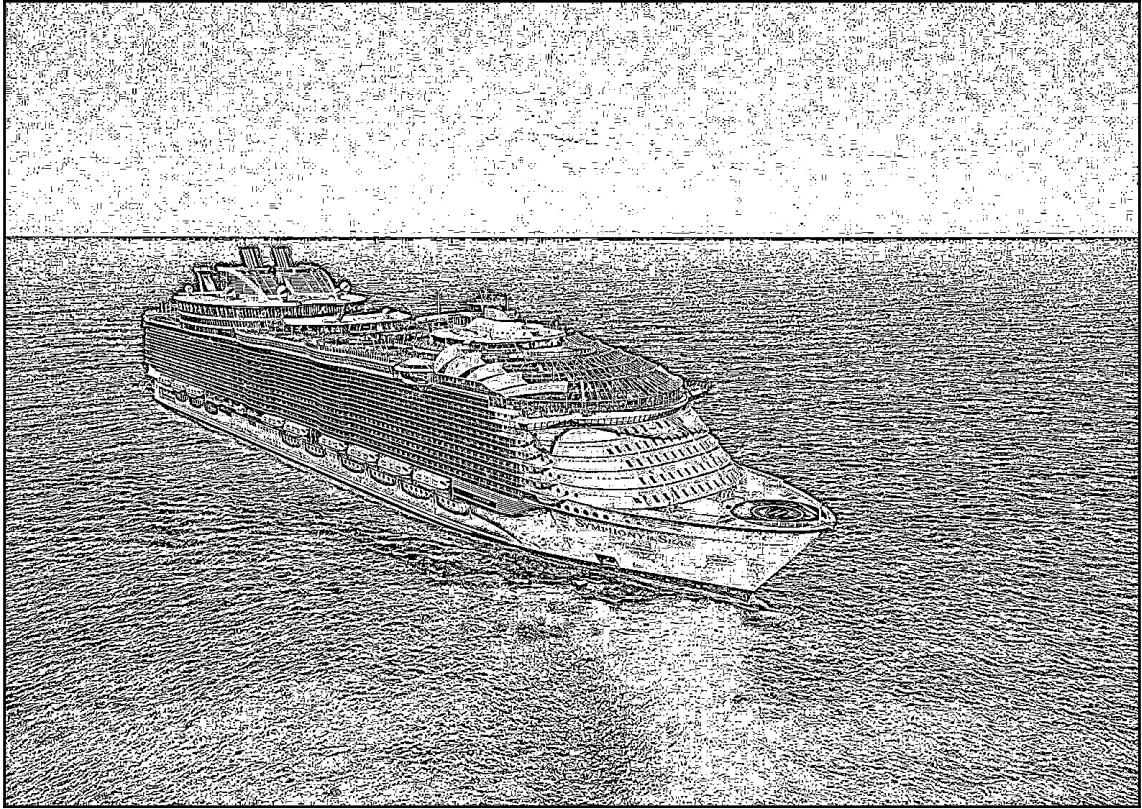


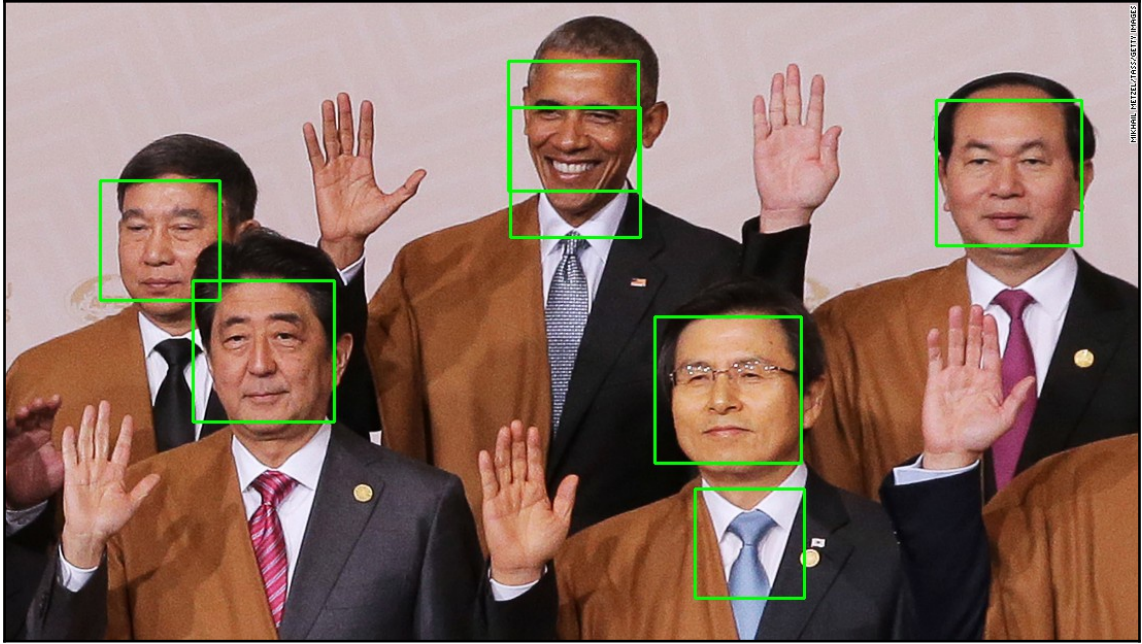




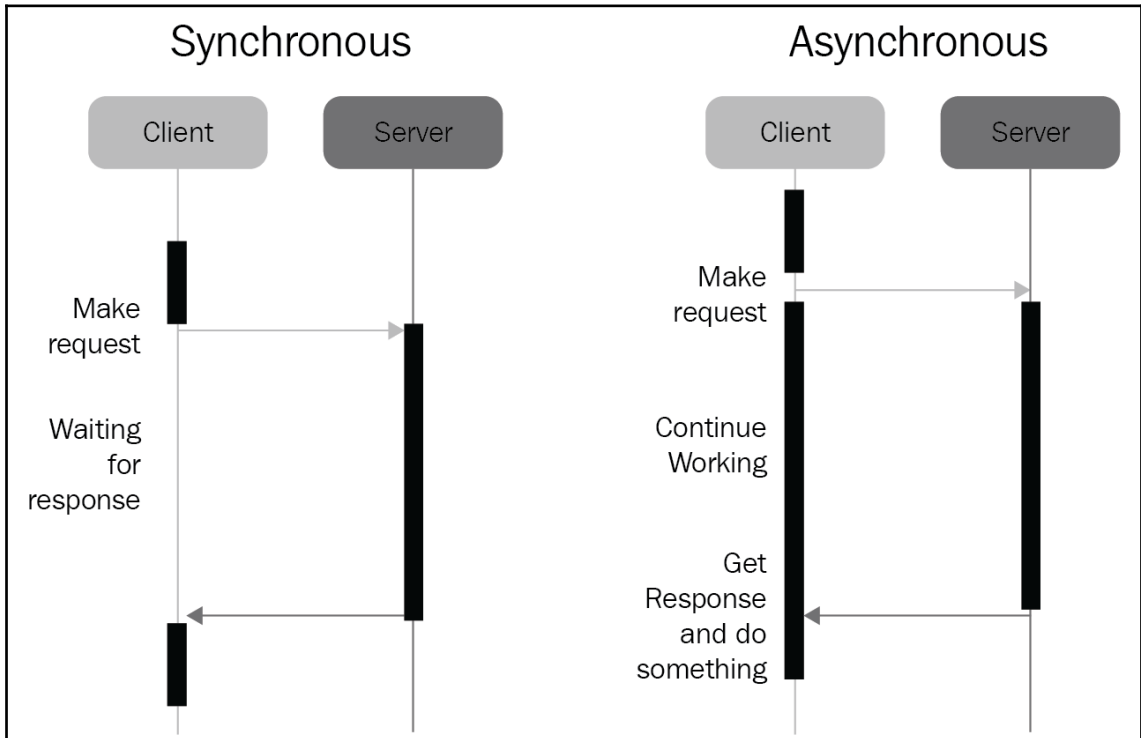




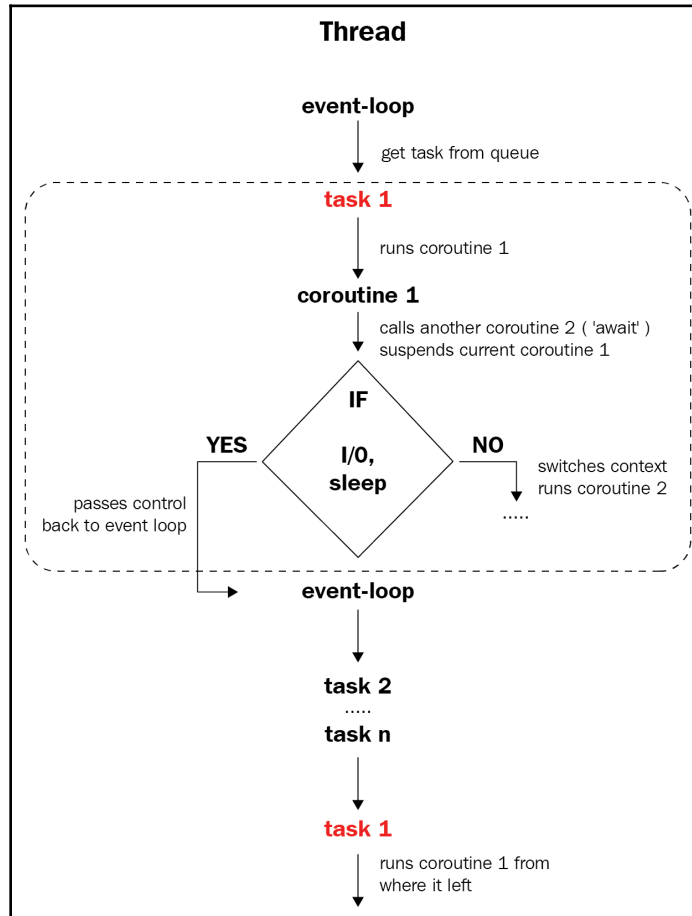


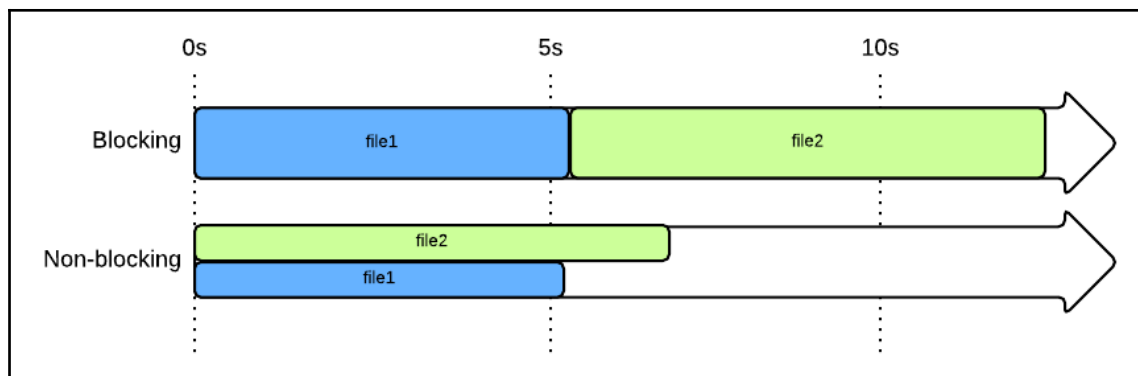


Chapter 9: Introduction to Asynchronous Programming

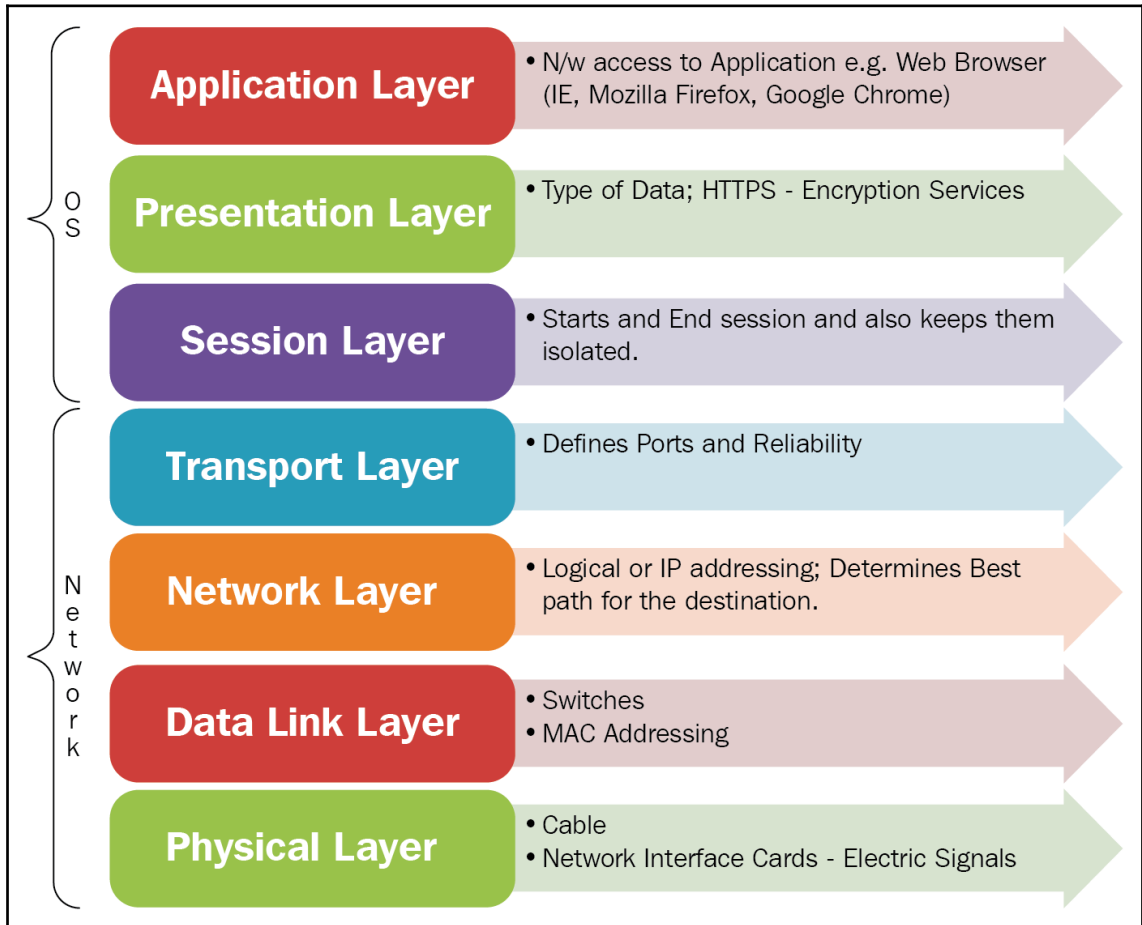


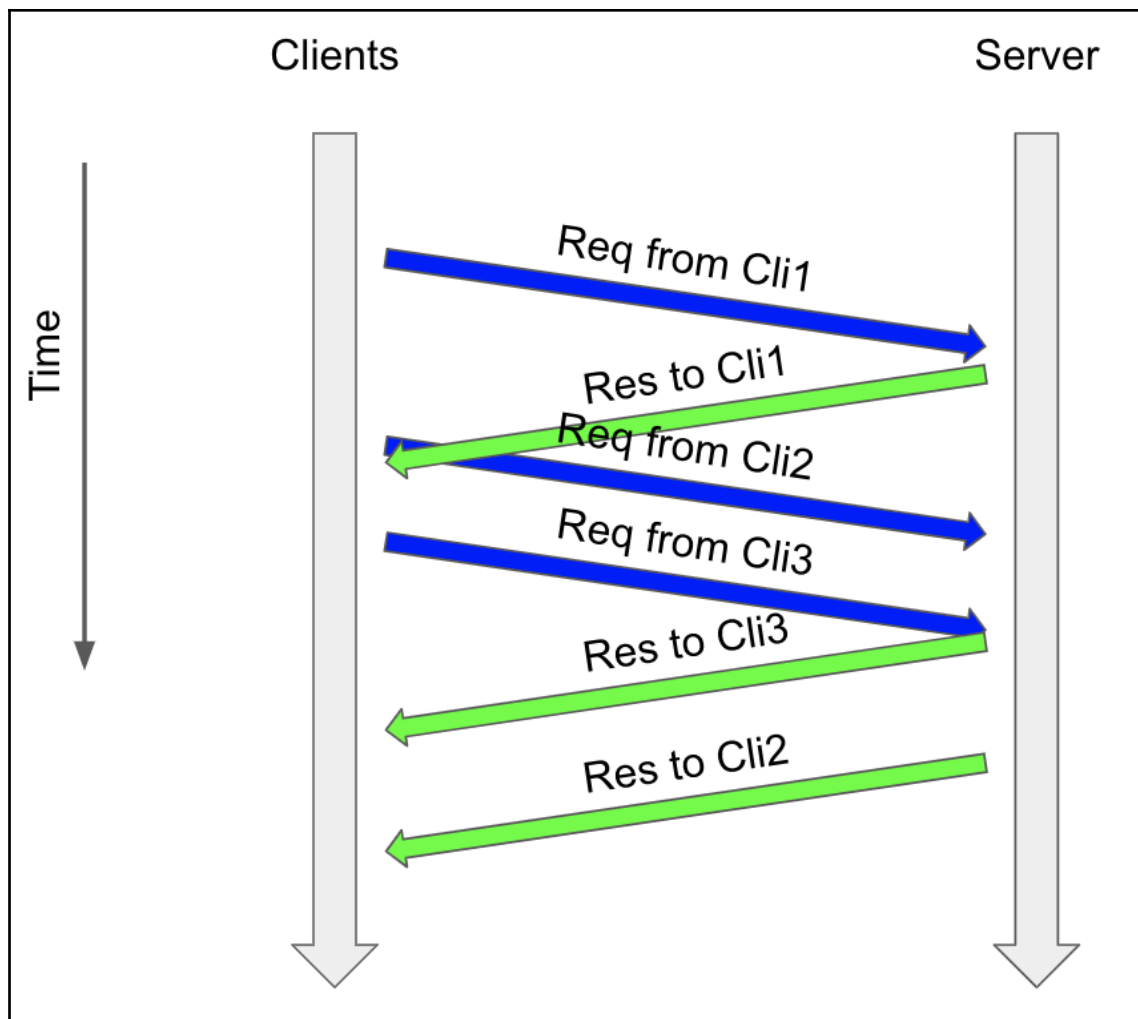
Chapter 10: Implementing Asynchronous Programming in Python

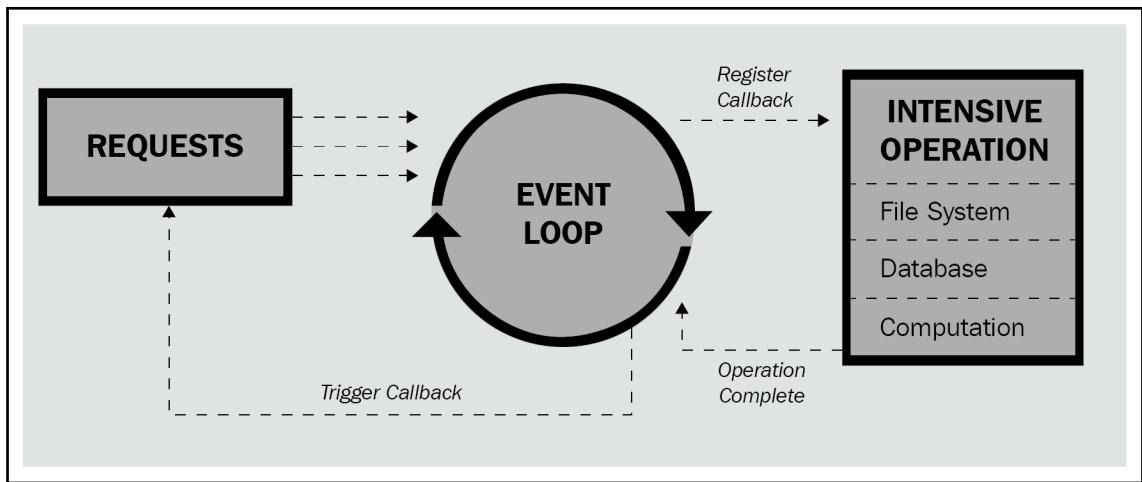




Chapter 11: Building Communication Channels with asyncio





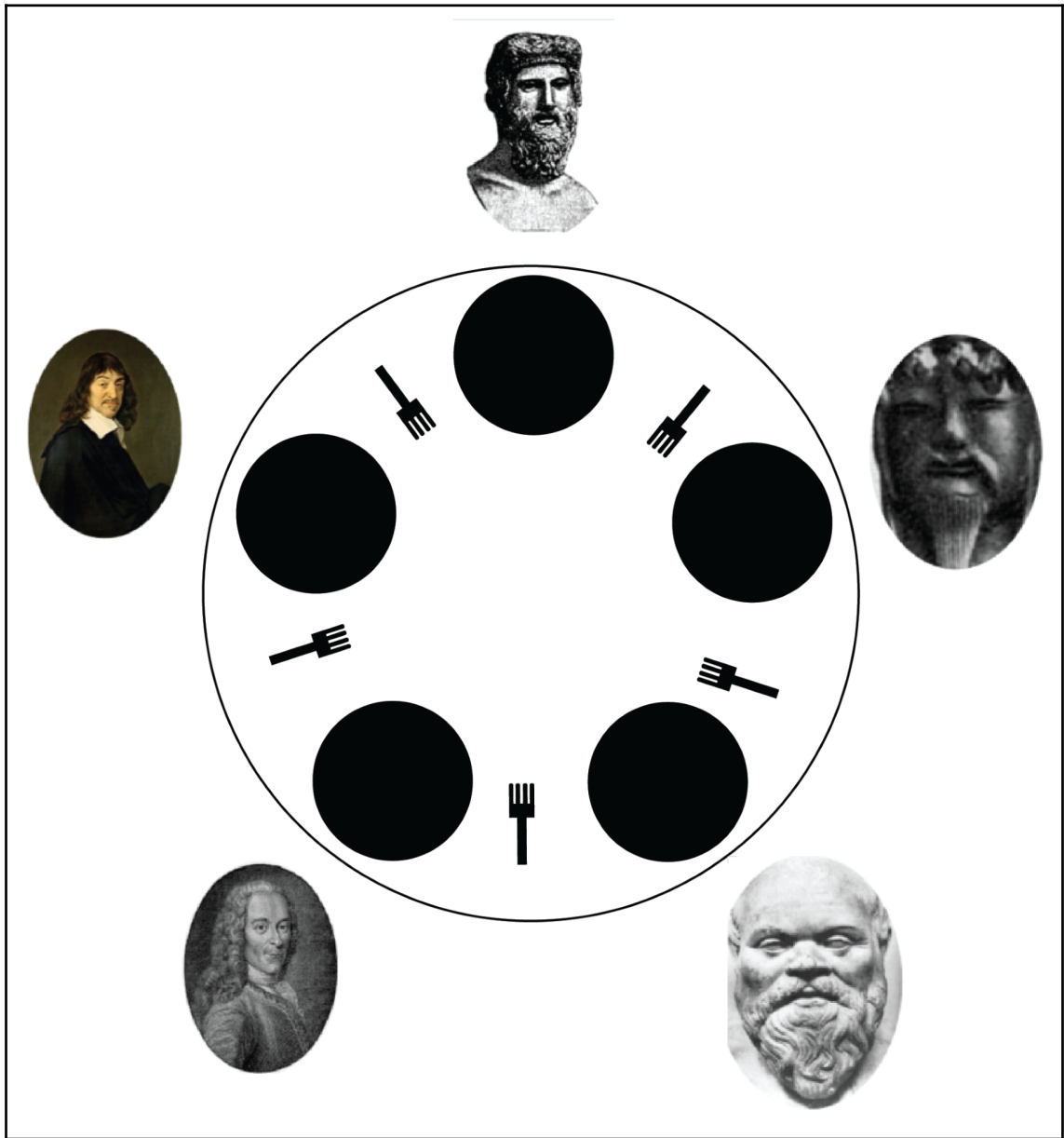


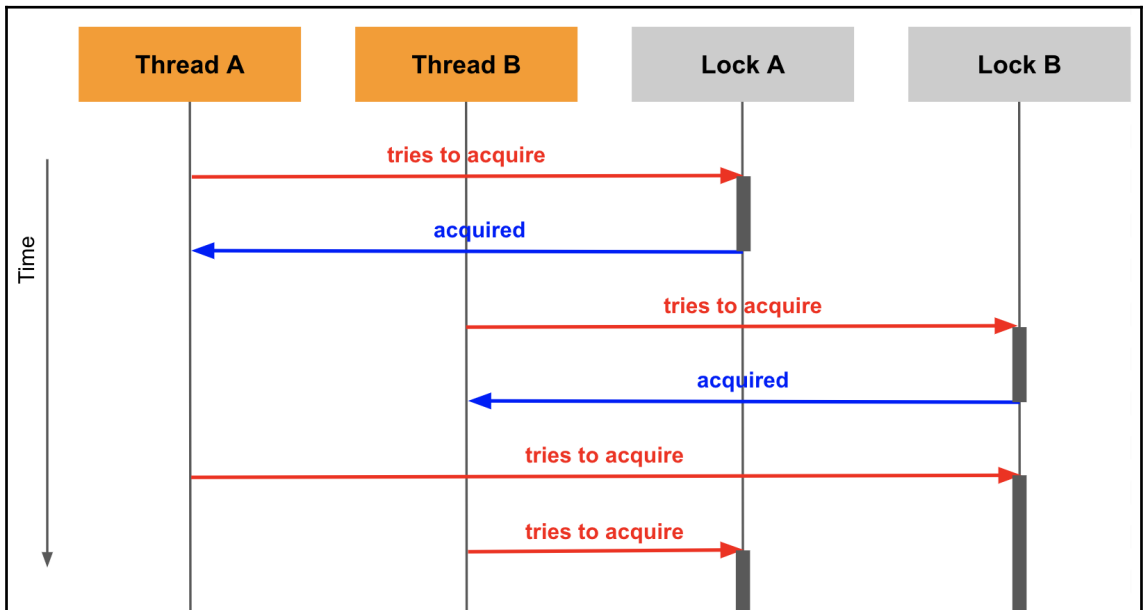
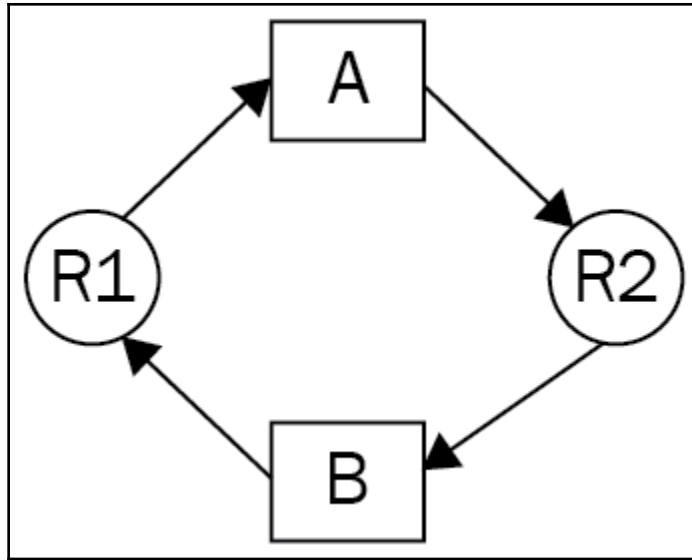
```
ch11 — Quan's Terminal — -bash — 150x40
> python3 example4.py
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en">
<head>
  <title>Packt Publishing | Technology Books, eBooks & Videos</title>
  <script>
    dataLayer = [];
  </script>
  <script type="text/javascript" src="https://d1ldz4te4covpm.cloudfront.net/sites/all/themes/packt_v4/js/util/advertisement.js"></script>
  <script type="text/javascript">
    var data_layer_page_type = 'home';
  </script>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<link rel="shortcut icon" href="https://d1ldz4te4covpm.cloudfront.net/misc/favicon.ico" type="image/x-icon" />
<meta name="description" content="Packt Publishing is the leading UK provider of Technology eBooks, Coding eBooks, Videos and Blogs; helping IT profes
sionals to put software to work." />
<meta name="revisit-after" content="1 day" />
<link rel="canonical" href="https://www.packtpub.com"/>

  <meta name="twitter:card" content="summary_large_image">
  <meta name="twitter:site" content="@PacktPub">
  <meta name="twitter:creator" content="@PacktPub">
  <meta name="twitter:title" content="Packt Publishing | Technology Books, eBooks & Videos"/>
  <meta name="twitter:description" content="Packt Publishing is the leading UK provider of Technology eBooks, Coding eBooks, Videos and Blogs; h
elping IT professionals to put software to work."/>
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta id="viewport" name="viewport" content="width=320, initial-scale=1.0, maximum-scale=1.0, user-scalable=0">
  <!-- <link href="//fonts.googleapis.com/css?family=Ubuntu:300,400,500,700,300italic,400italic,500italic,700italic" rel="stylesheet" type="text
/css">-->
  <link href="/sites/all/themes/packt_v4/fonts/ubuntu.css?v=1" rel="stylesheet" type="text/css">
  <!--[if lt IE 10]>
  <link href="/sites/all/themes/packt_v4/css/core/packtpub_ie.css" rel="stylesheet" type="text/css">
  <![endif]-->
  <link type="text/css" rel="stylesheet" media="all" href="https://dz13w8afd47il.cloudfront.net/sites/default/files/css/1535640391157763d5/88193
022b6f1633465ae9b864eeae61e3.css" />
  <link type="text/css" rel="stylesheet" media="print" href="https://dz13w8afd47il.cloudfront.net/sites/default/files/css/1535640391157763d5/6e295a6eb8f
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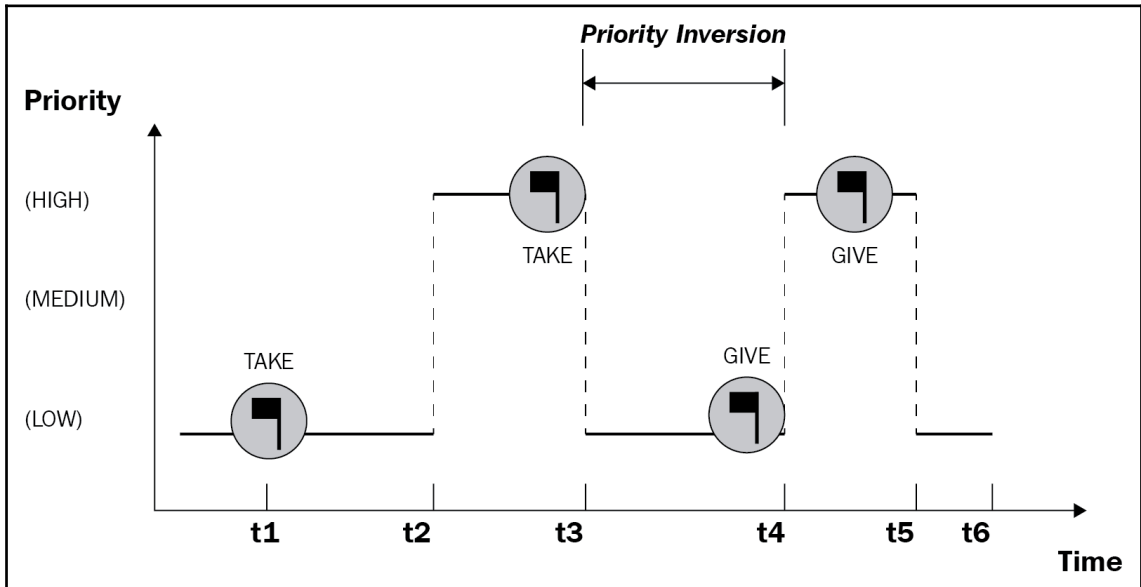
  <script type="text/javascript" src="https://d255esdrn735hr.cloudfront.net/sites/default/files/js/15356403913941a68a/952c3ff98a6acdc36497d839e3
1aa57c.js"></script>
```

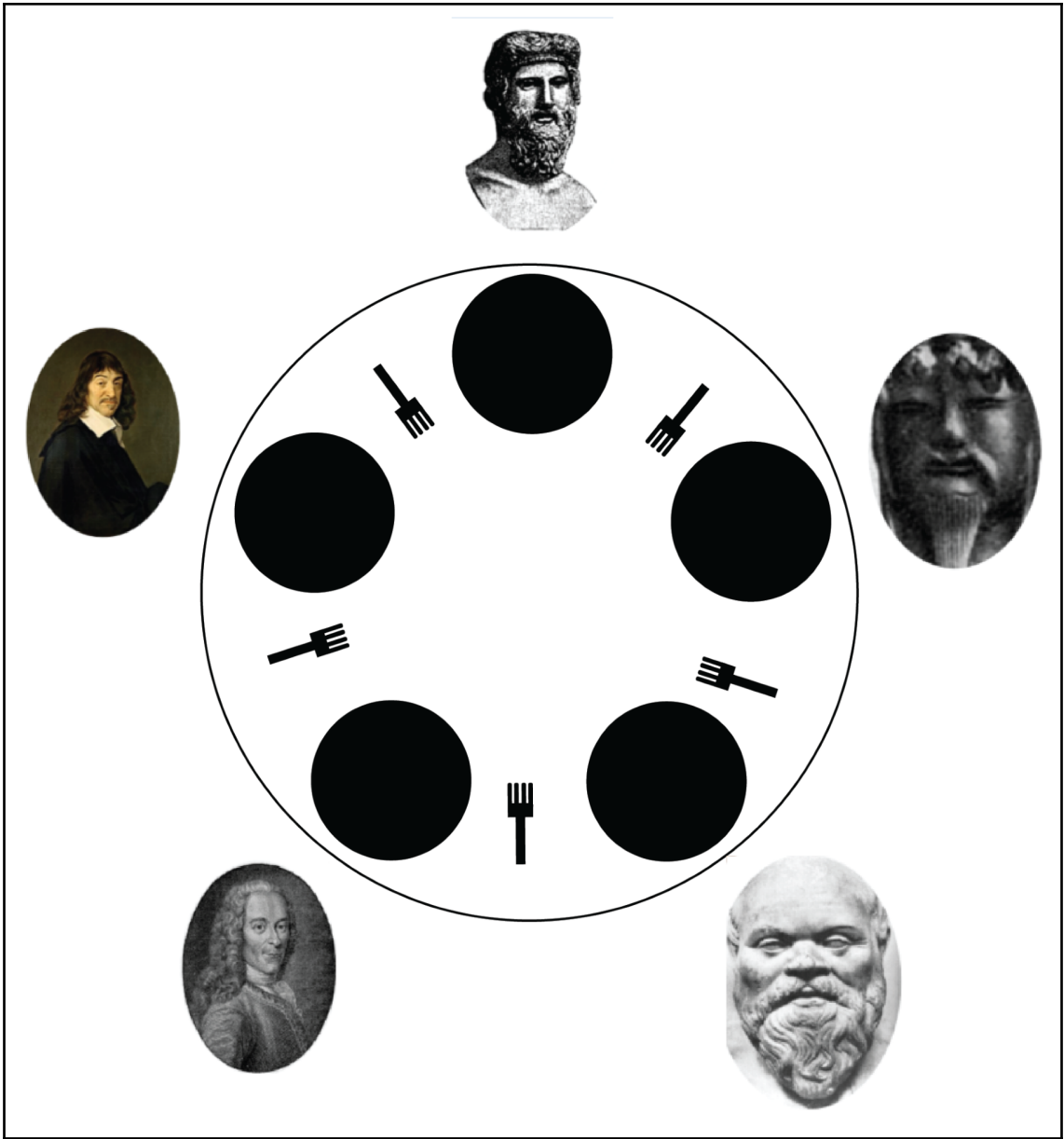
Chapter 12: Deadlocks





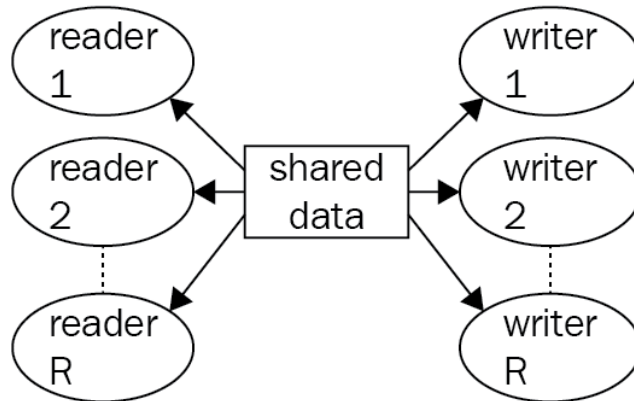
Chapter 13: Starvation





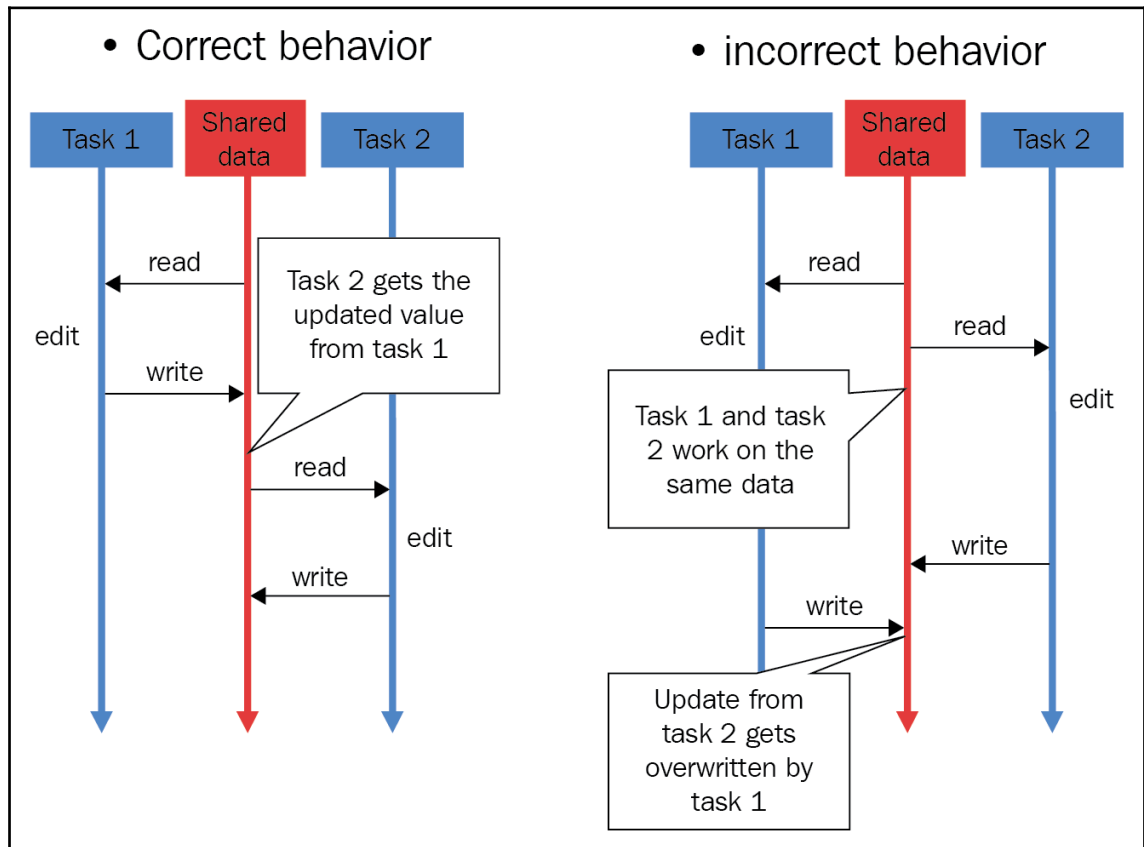
Activity of readers and writers on shared data:

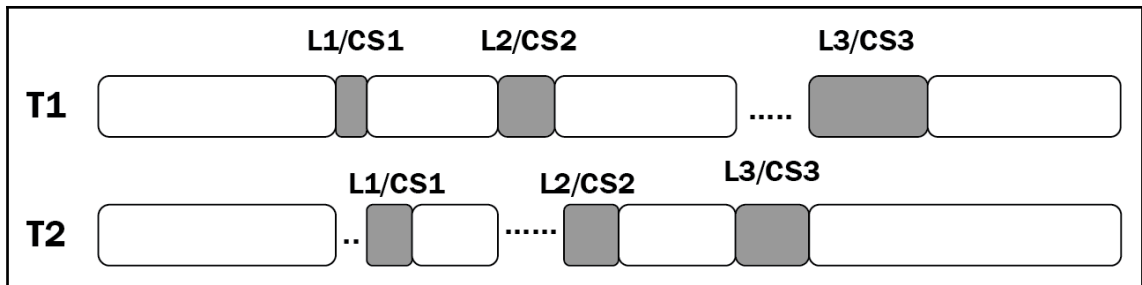
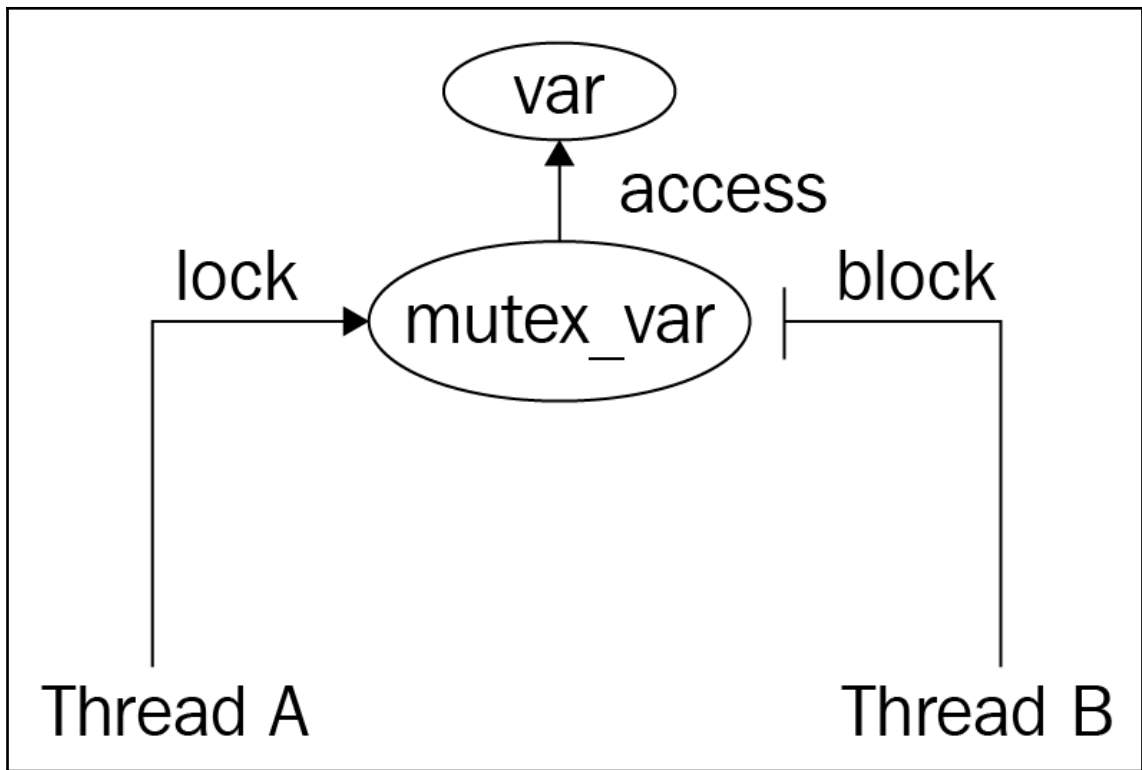
Readers - Writers



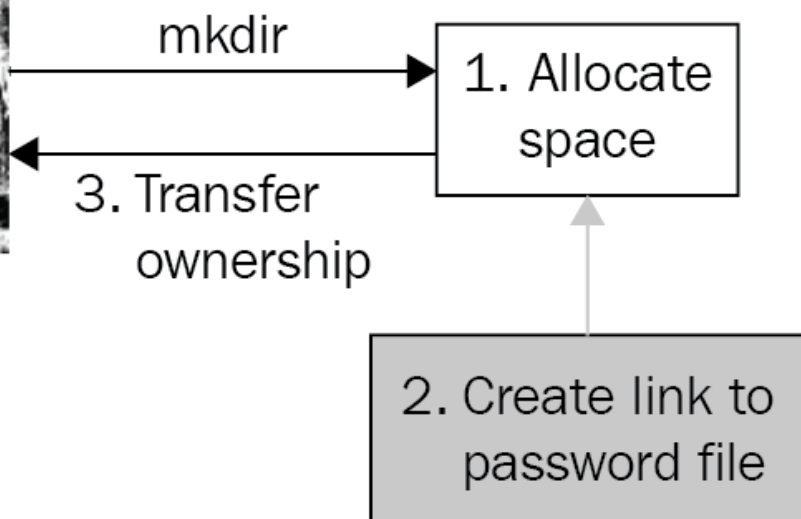
- **Readers** - only read the data set do *not* perform any updates
- **Writers** - can both read and write

Chapter 14: Race Conditions

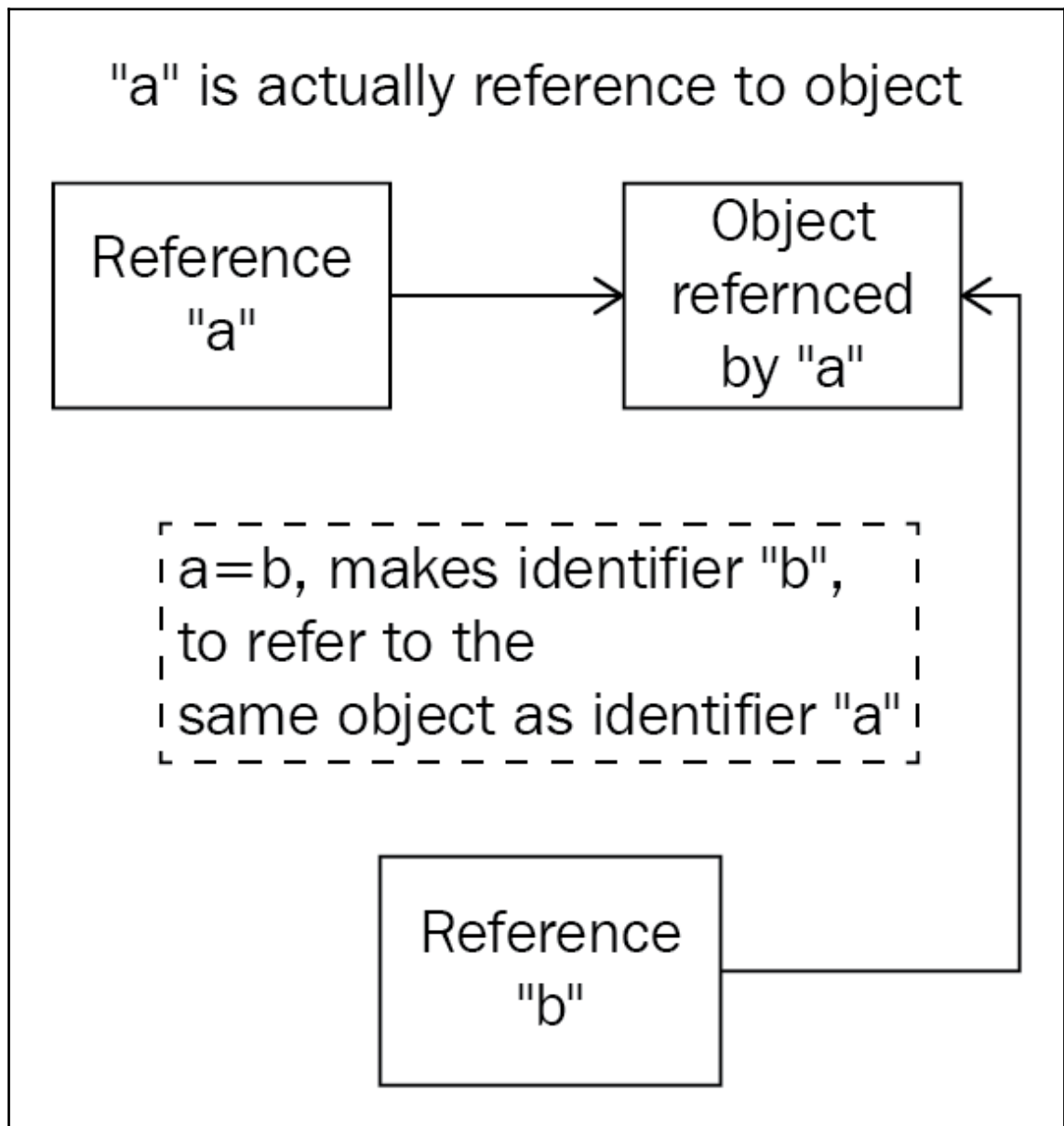




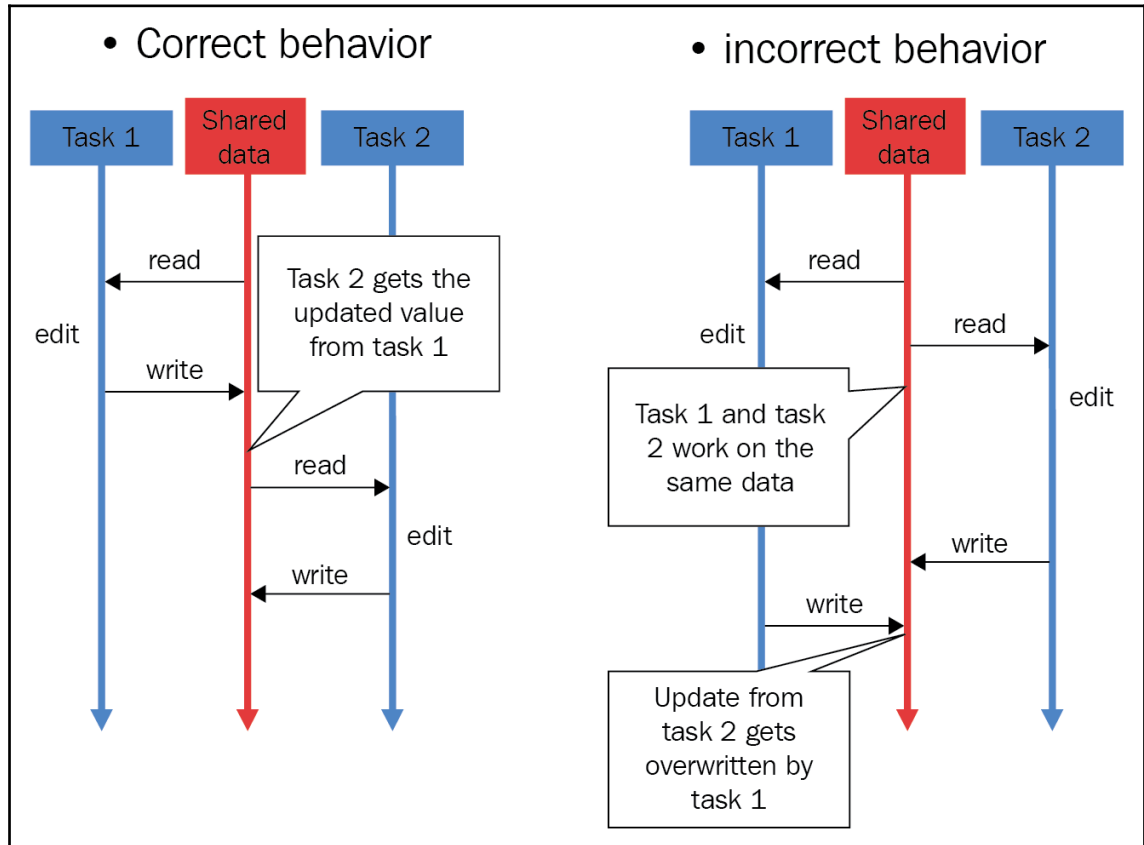
□ The mkdir **race condition**

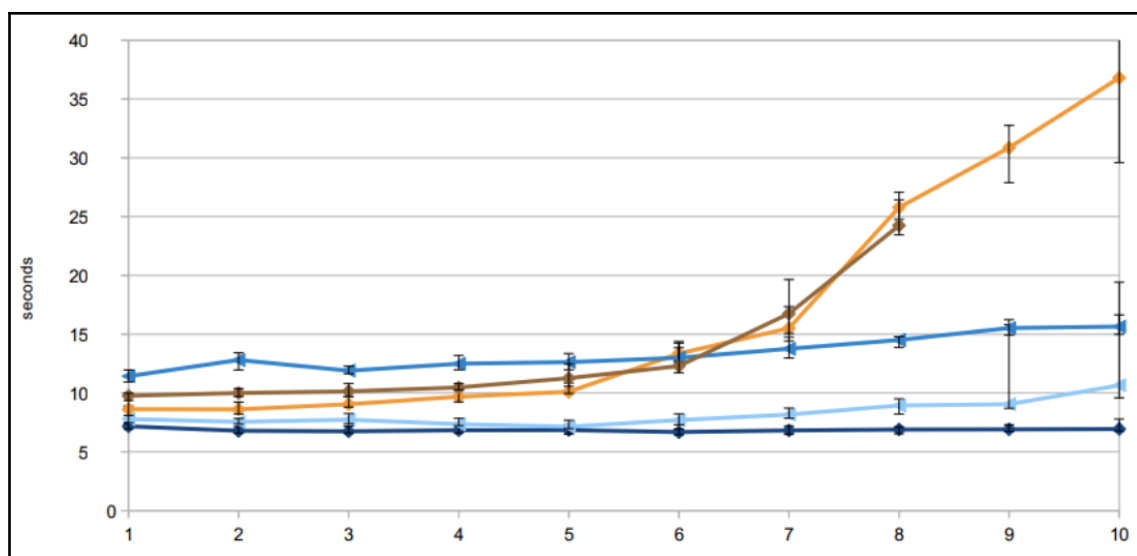


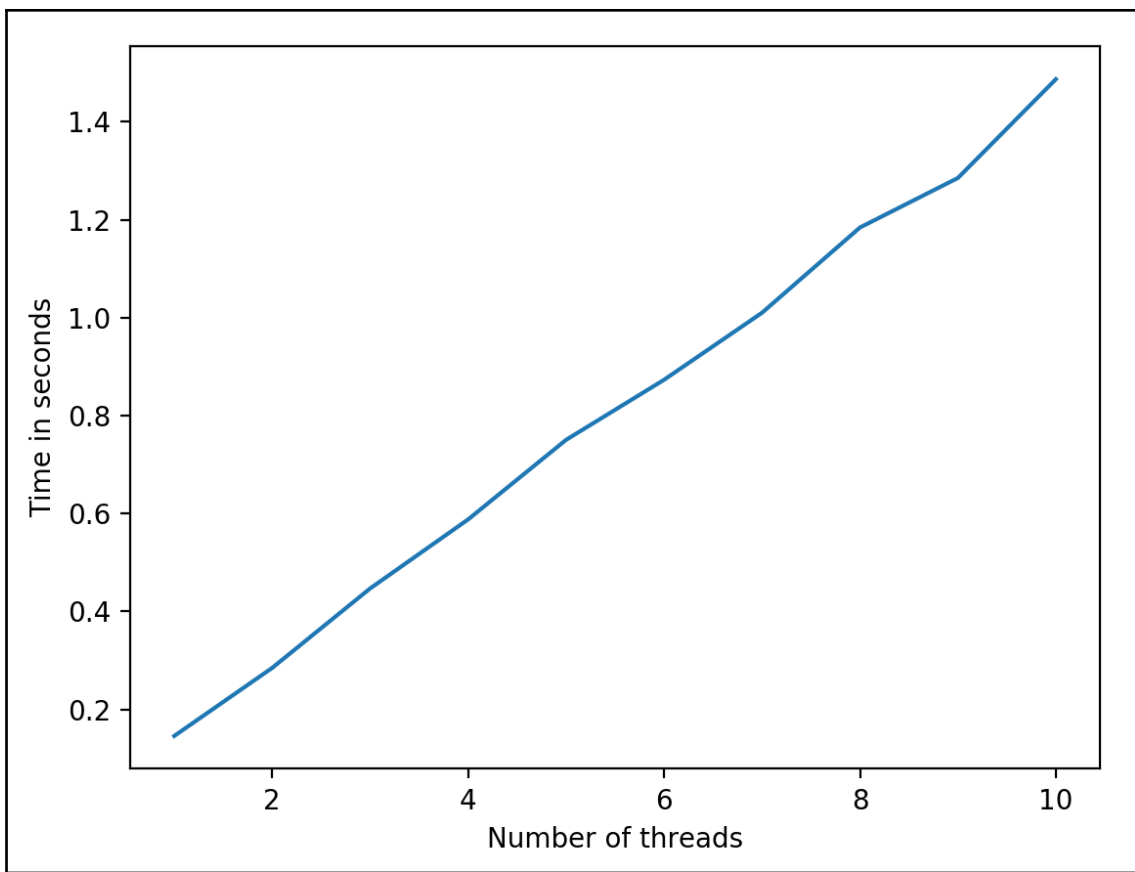
Chapter 15: The Global Interpreter Lock

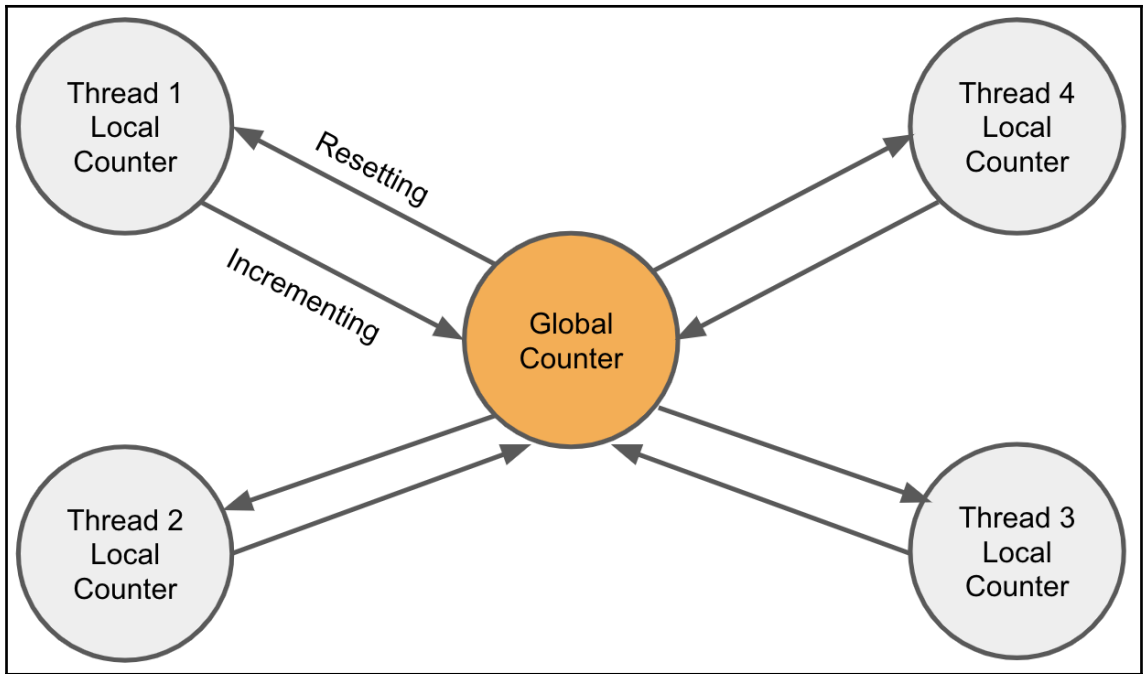


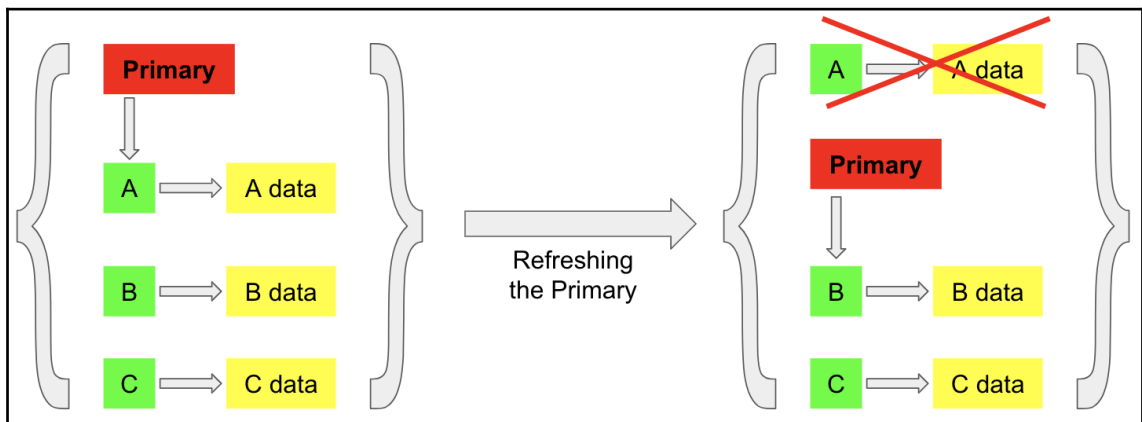
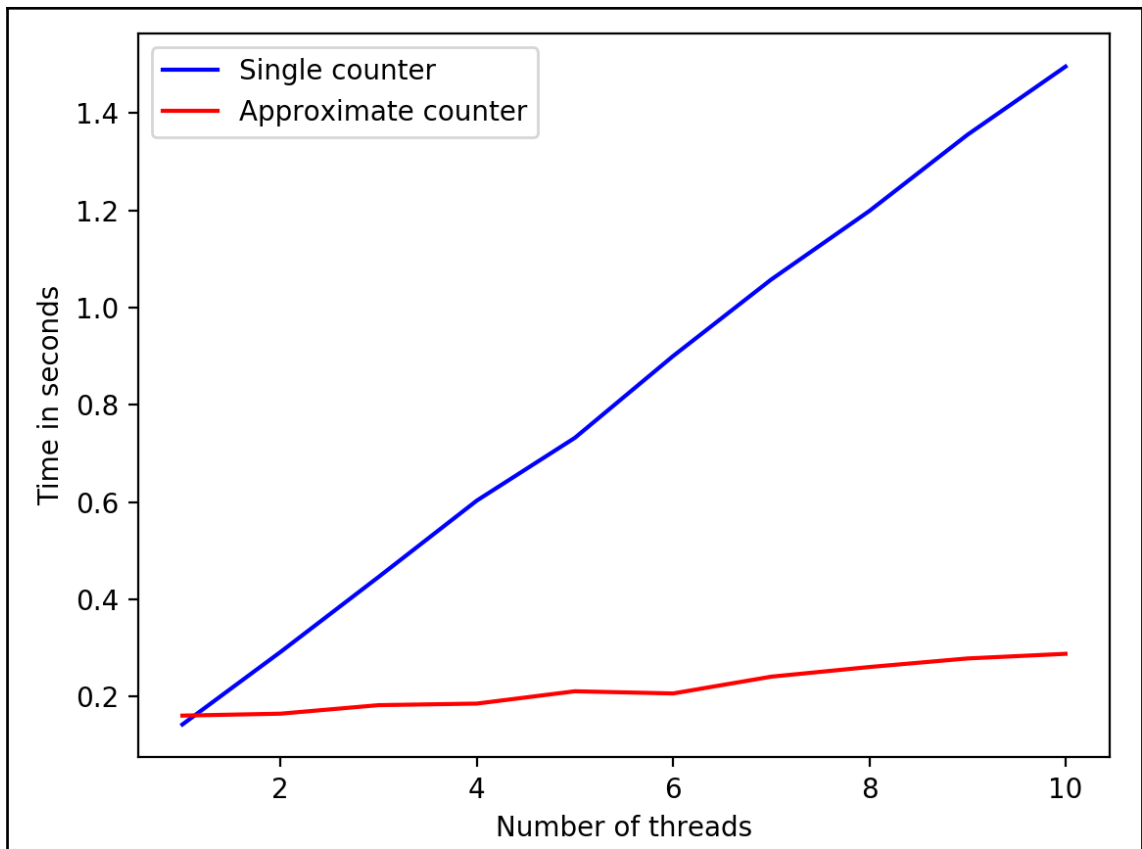
Chapter 16: Designing Lock-Based and Mutex-Free Concurrent Data Structures

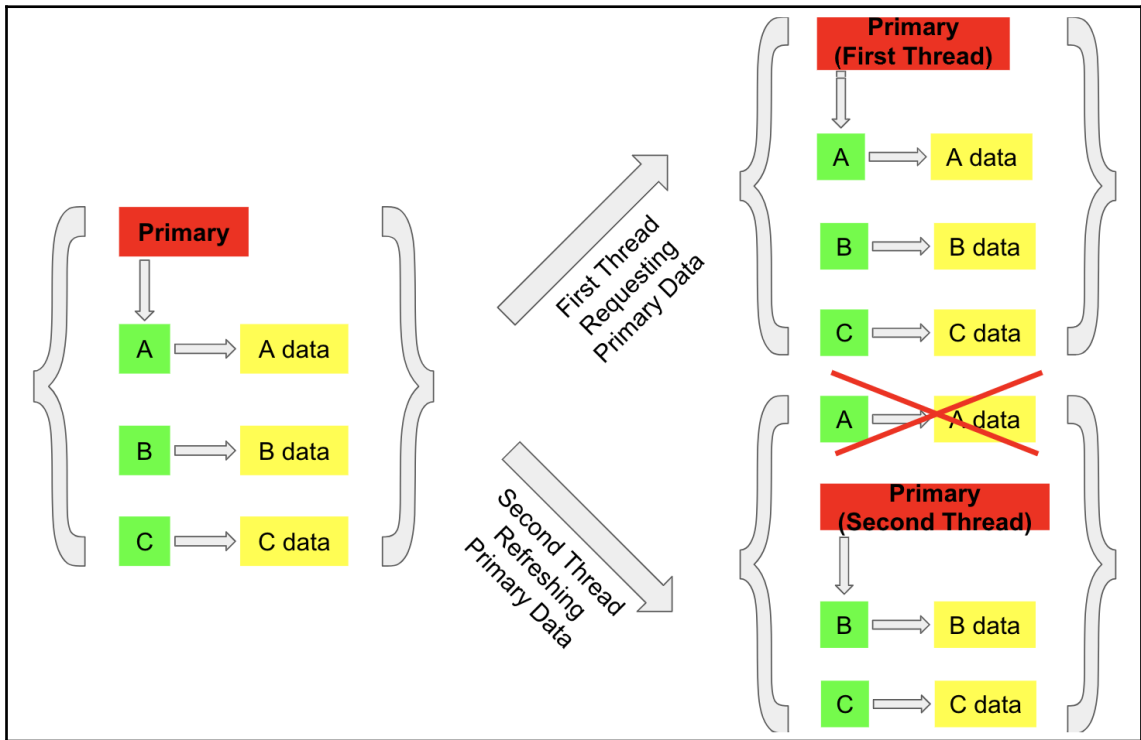
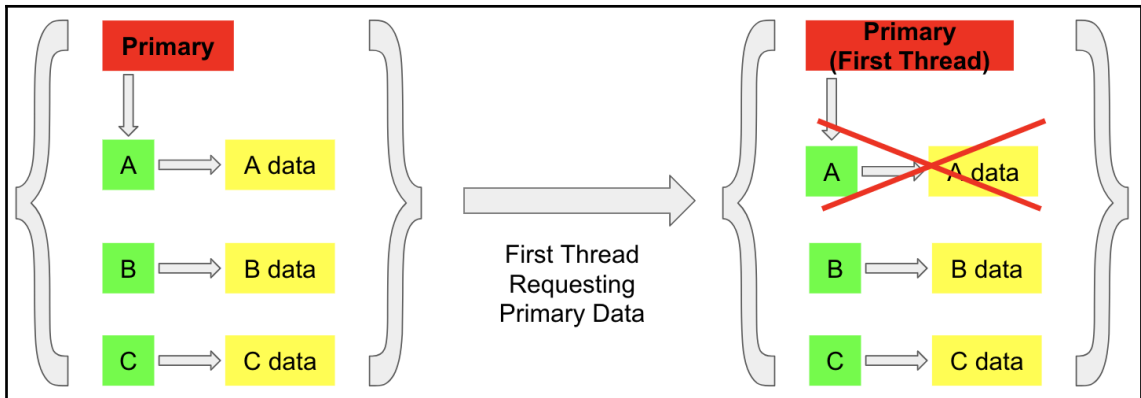




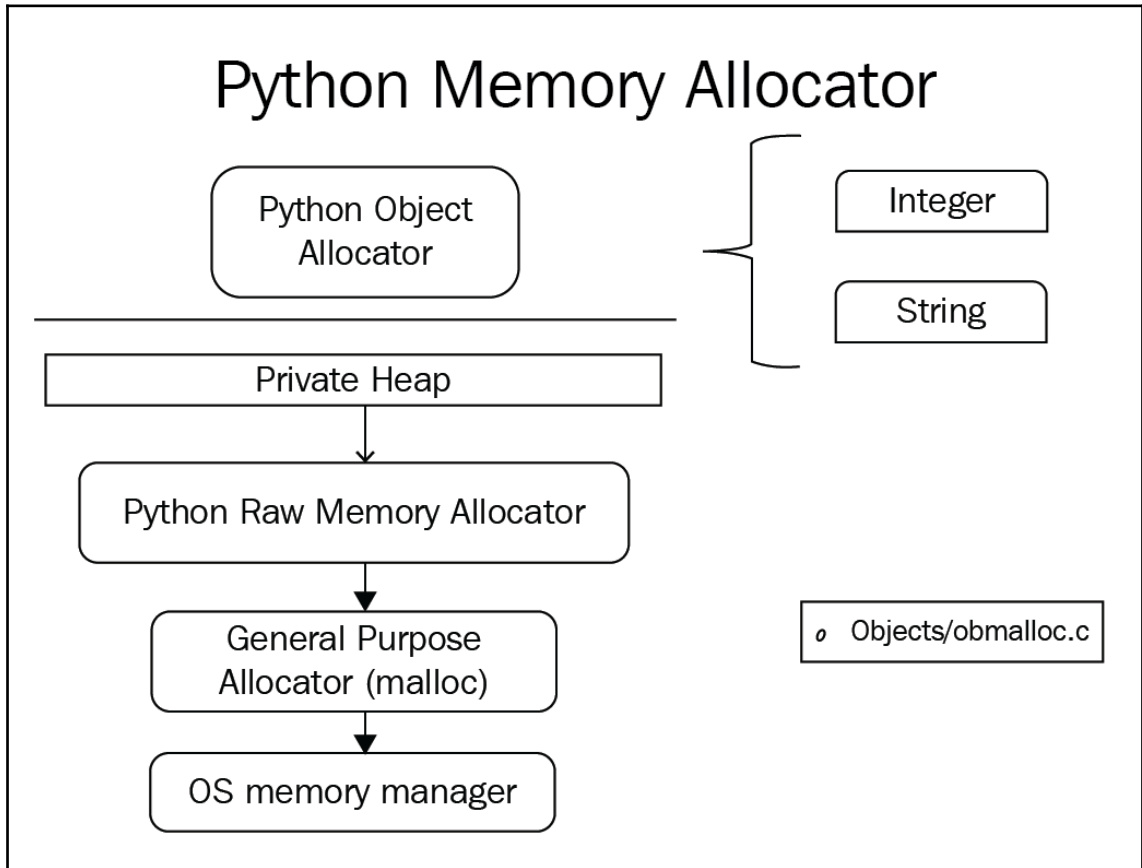


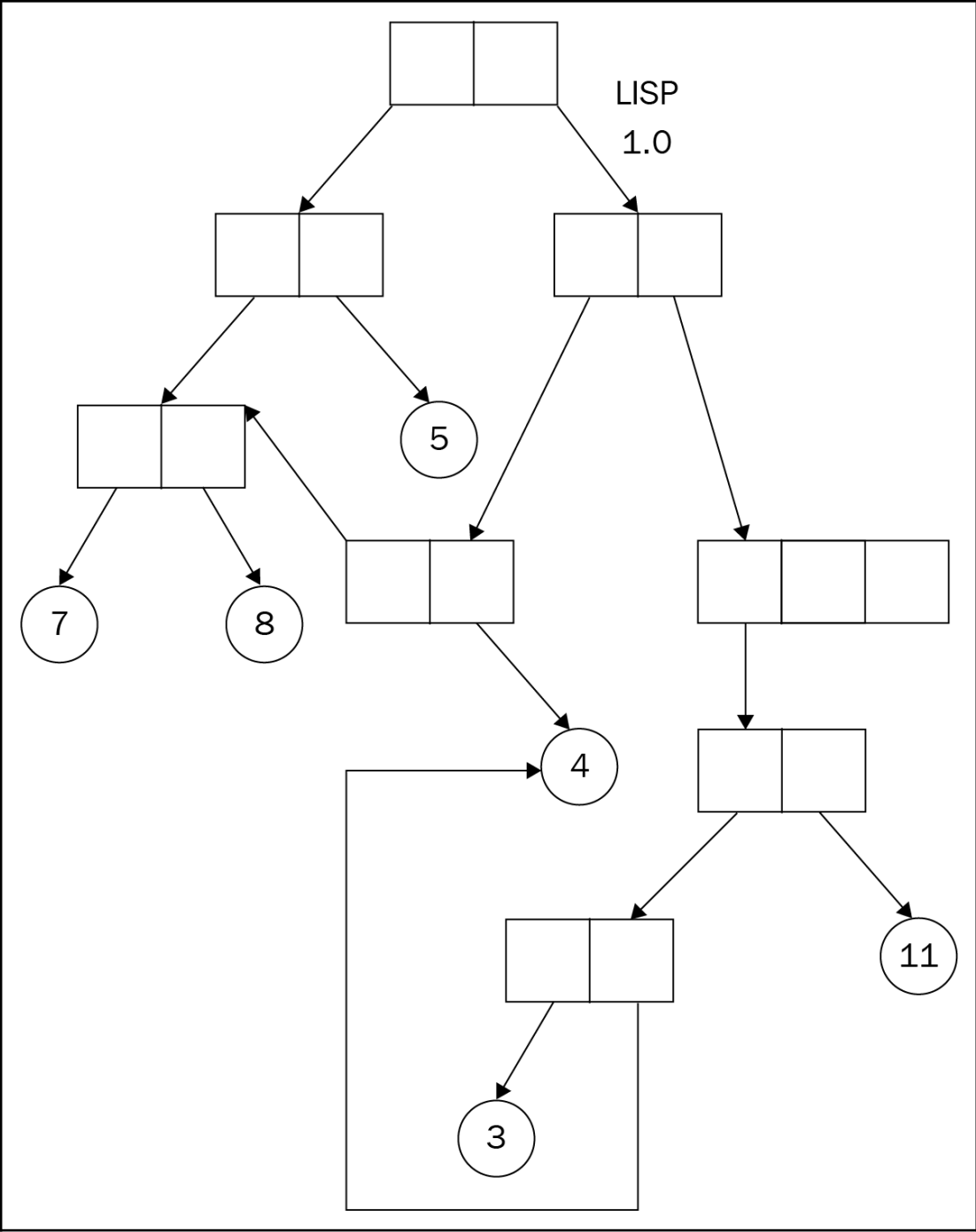




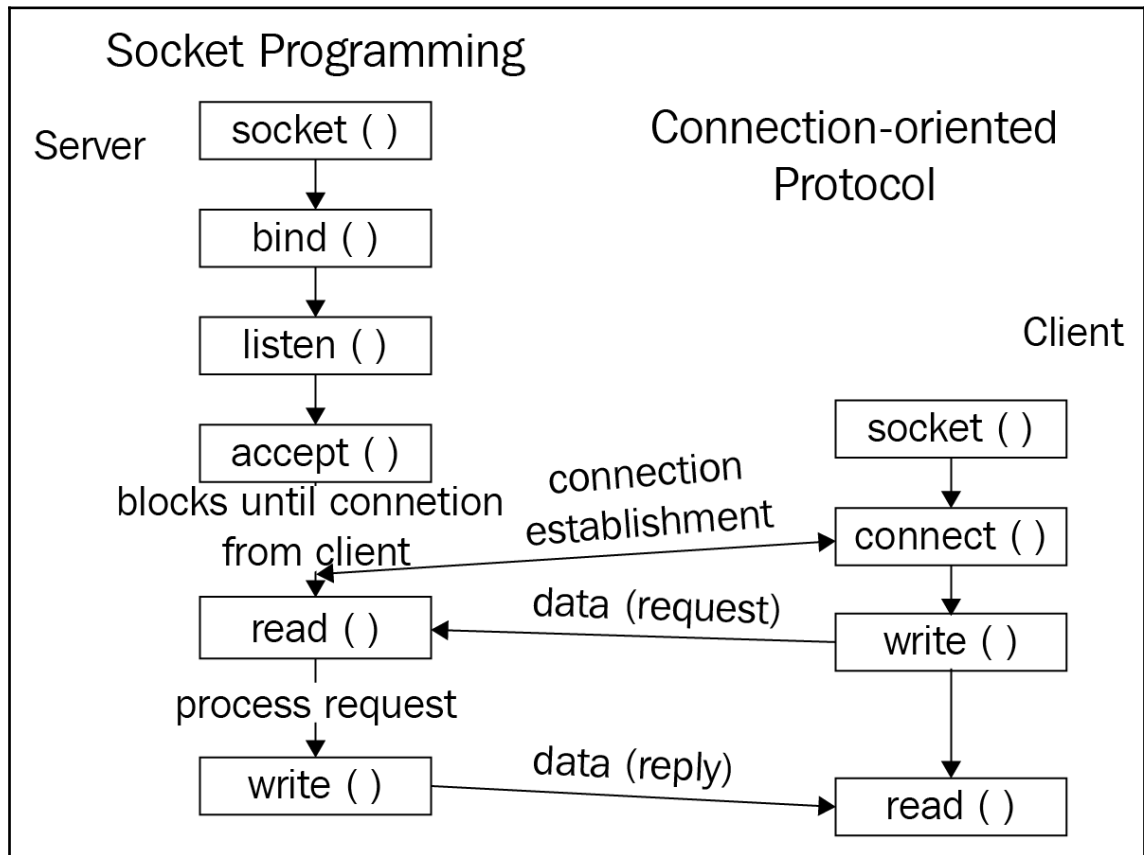


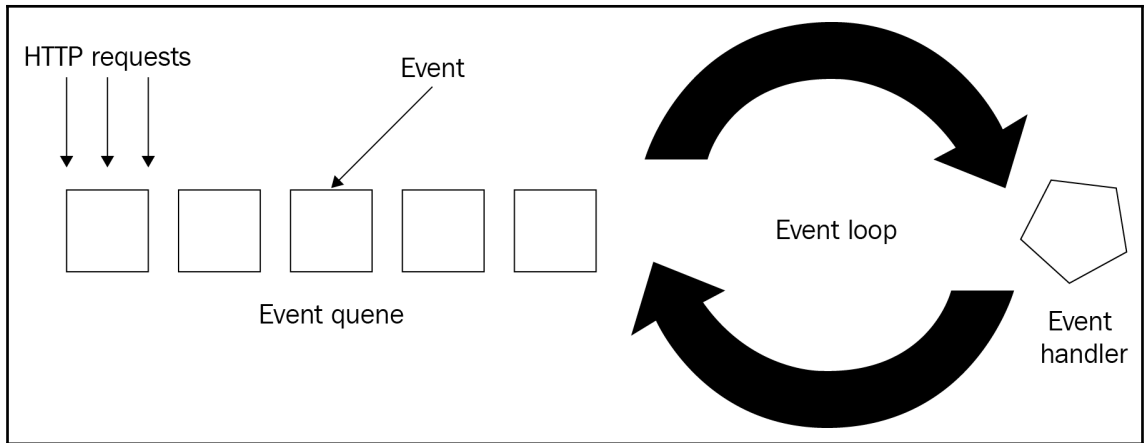
Chapter 17: Memory Models and Operations on Atomic Types





Chapter 18: Building a Server from Scratch





Chapter 19: Testing, Debugging, and Scheduling Concurrent Applications

