

- Please read this Piazza post!

Week 8 Class Material

- Lecture 27: Special Topics I (Programming Languages) [capture](#) [slides](#)
- Lecture 28: Special Topics II (Machine Learning) [capture](#)
- Lecture 29: Navigating Berkeley [capture](#) [slides](#)

Week 8 Resources

- Rachel's Streams Guide (Spring 2019)
- Ashley & Mirnalini's Streams Slides (Fall 2017)
- Minilecture: Streams Intro (Fall 2017)



- [Spring 2019 CS61A's SQL intro stream](#) [audio](#)
- Kevin's SQL Slides (Fall 2015)
- Andrew's Quick Guide to SQL (Fall 2015)
- (Summer 2015) Albert's Streams Problems

Resource Search

Search for terms like "recursion", "homework 3", or "practice".

Search for resources or posts on Piazza

| Week | Date | Lecture | | | Textbook | Lab and Discussion Links | | Homework & Project |
|------|----------|--|---|--|----------|--|--|--|
| 1 | Mon 6/22 | Intro video slides capture 01.py | | | | Lab 00: Getting Started Fri 6/28 | | |
| | Tue 6/23 | Functions video full 1pp 8pp 02.py | Ch. 1.1 | Ch. 1.2 | | Disc 00: Getting Started | | HW 01: Variables & Functions, Control 02.py |
| | Wed 6/24 | Control video 1pp 4pp 32.py | Ch. 1.3 | Ch. 1.4 Ch. 1.5 | | Lab 01: Variables & Functions, Control 03.py | | |
| | Thu 6/25 | Higher-Order Functions video 1pp 4pp 04.py | | | | Disc 01: Environment Diagrams, Control, Self Reference | | Hog Wed 7/8 |
| 2 | Mon 6/28 | Environment Diagrams video 1pp 05.py | Ch. 1.6 | | | Lab 02: Higher-Order Functions, Lambda Expressions, Self Reference 05.py | | |
| | Tue 6/30 | Recursion video capture 1pp 6pp 9pp | Ch. 1.7 | | | Disc 02: Higher-Order Functions | | Hog Contest Thu 7/9 |
| | Wed 7/1 | Tree Recursion video 1pp 6pp 9pp 07.py | Ch. 1.7 | | | Lab 03: Recursion, Tree Recursion 07.py | | HW 03: Higher-Order Functions, Recursion 08.py |
| | Thu 7/2 | Diagnostic Quiz (6-7:15pm PDT) video | | | | | | |
| 3 | Mon 7/6 | Sequences & Data Abstraction video 1pp 8pp 9pp 08.py | Ch. 2.1 Ch. 2.2 Ch. 2.3 | | | Lab 04: Python Lists, Data Abstraction Wed 7/8 | | |
| | Tue 7/7 | Functional Decomposition & Debugging video capture 1pp 6pp 9pp | | | | Disc 04: Recursion, Tree Recursion, Python Lists | | |
| | Wed 7/8 | Trees video 1pp 6pp 9pp 10.py | Ch. 2.3 | | | Lab 05: Python Lists, Trees 09.py | | HW 04: Data Abstraction, Trees 10.py |
| | Thu 7/9 | Mutable Sequences video 1pp 6pp 9pp 11.py | Ch. 2.4 | | | Disc 05: Python Lists, Trees, Mutability | | |
| 4 | Mon 7/13 | Mutable Functions video 1pp 6pp 9pp 12.py | Ch. 2.4 | | | Lab 06: Nonlocal, Mutability Fri 7/17 | | |
| | Tue 7/14 | Midterm Review capture | Ch. 4.2 | | | Lab 07: Midterm Review Fri 7/17 | | |
| | Wed 7/15 | Iterators & Generators video 1pp 6pp 9pp 14.py | | | | Disc 06: Nonlocal, Midterm Review | | HW 05: Nonlocal, Iterators & Generators Tue 7/21 |
| | Thu 7/16 | No Lecture Midterm(5:00pm-8:00pm PDT) Practice Practice Solutions skeleton solution pdf | | | | | | |
| 5 | Mon 7/20 | Objects video 1pp 6pp 9pp 15.py | Ch. 2.5 | | | Lab 08: Object-Oriented Programming Wed 7/23 | | |
| | Tue 7/21 | Inheritance video capture 1pp 6pp 16.py | Ch. 2.5 | | | Disc 08: Iterators & Generators, Object-Oriented Programming | | |
| | Wed 7/22 | Linked Lists & Trees video 1pp 6pp 17.py | Ch. 2.9 | | | Lab 09: Linked Lists, Mutable Trees Fri 7/24 | | HW 06: Object-Oriented Programming, Linked Lists, Trees Tue 7/28 |
| | Thu 7/23 | Interfaces video 1pp 6pp 9pp 18.py | Ch. 2.7 | | | Disc 09: Linked Lists, Trees | | Ants Thu 7/28 |
| 6 | Mon 7/27 | Scheme video 1pp 6pp 9pp | Ch. 3.1 Ch. 3.2 | | | Lab 10: Scheme, Scheme Lists Wed 7/29 | | |
| | Tue 7/28 | Interpreters video 1pp 6pp 9pp | Ch. 3.5 | | | Disc 10: Scheme, Scheme Lists | | |
| | Wed 7/29 | More Scheme video 1pp 6pp 9pp | Ch. 3.5 | | | Lab 11: Interpreters Fri 7/21 | | HW 07: Scheme, Tail Recursion, Macros Tue 8/4 |
| | Thu 7/30 | Macros video 1pp 6pp 9pp | Ch. 3.5 | | | Disc 11: Tail Recursion, Macros | | Scheme Mon 8/10 Scheme Challenge Version Mon 8/10 |
| 7 | Mon 8/3 | Streams video 1pp 6pp 9pp | | | | Lab 12: Macros, Streams Wed 8/5 | | |
| | Tue 8/4 | Declarative Programming I video 1pp 6pp 9pp 24.sql | Ch. 4.3 | | | Disc 12: Streams | | Scheme Contest Tue 8/11 |
| | Wed 8/5 | Declarative Programming II video 1pp 6pp 9pp 25.py 25.sql | Ch. 4.3 | | | Lab 13: SQL Fri 8/7 | | HW 08: Streams, SQL Tue 8/11 |
| | Thu 8/6 | Final Review video capture 1pp 6pp 26.py | | | | Disc 13: SQL | | |
| 8 | Mon 8/10 | Special Topics I (Programming Languages) capture slides | | | | Lab 14: Final Review Wed 8/13 | | HW 09: Final Review (Optional) Fri 8/14 |
| | Tue 8/11 | Special Topics II (Machine Learning) capture | | | | Disc 14: Final Review | | Scheme Gallery Fri 8/14 |
| | Wed 8/12 | Navigating Berkeley capture slides | | | | | | |
| | Thu 8/13 | Final (time TBD) | | | | | | |