week

CS141 Tentative schedule: see Canvas for updates to meet academic needs Study material assigned before the date listed to prepare for daily quiz & exercises

Introduction, finding course topics, computer basics, programming basics, GUI, Ch. 11.3 command line Wed. 24-Sep arguments. Project1 Ch. 1 programs, computer, Java, environment, analysis, errors, problem solving. Appendix F Mon. 29-Sep documentation and Appendix I coding (style) guide Wed. 1-Oct Ch. 2.1 objects/classes, 2.2 variables, 2.3 calling method, 2.4 constructors, 2.5 get & set Ch. 2.6 API documentation, Appendix F documentation, 2.7 test, 2.8 object references, Special Topic Mon. 6-Oct 11.5 assertions, 6.10 debugger. Program 1 DUE Wed. 8-Oct Ch. 3.1 instance variables, 3.2 API, 3.3 class implementation, 3.4 unit tests Mon. 13-Oct Ch. 3.5 problem solve Tracing objects, 3.6 local variables, 3.7 'this' Ch. 6.10 debugger Wed. 15-Oct Ch. 4.1 numbers, 4.2 arithmetic, 4.3 I/O Wed. 22-Oct Ch. 4.1 numbers, 4.2 arithmetic, 4.3 I/O Mon. 27-Oct ProgramV1 2 DUE Wed. 22-Oct Ch. 5.1 if, 5.2 comparing, 5.3 multiple alternatives, 5.4 nesting, 5.5 flowcharts, 5.6 test cases, 5.7 Booleans, 5.8 input validation ("input is evil"), Ch. 11.5. Mon. 27-Oct ProgramV1 2 DUE Wed. 29-Oct Ch. 6.1 while, 6.2 hand trace, 6.3 for loop, Wed. 5-Nov debugger Ch. 7.1 array, 7.2 enhanced for loop, 7.3 common loops, 6.8 nested loops, 6.9 simulation, Ch. 6.10 Wed. 12-Nov Ch. 7.4 adapt algorithms, 7.5 problem solving: manipulate objects, 7.6 2-D arrays Mon. 17-Nov Ch. 8.1 classes, 8.2 good methods, 8.3 patterns, 8.4 static variables & methods, 8.6 unit test framework Ch. 2.9 graphical apps, 2.10 ellipses, etc., 3.8 shape classes Wed. 19-Nov if time permits: Ch. 19 gui 19.1 layout, 19.2 text input, 19.3 choices, 19.5 swing docs Wed. 26-Nov Ch. 20.1 readers, writers & streams, 20.2 binary i/o, Ch. 20.3 random access, 20.4 object streams, how to 20.1 choosing file format. 10 Mon. 1-Dec Pair Program 5 DUE Wed. 3-Dec Review Wed. 10-Dec 11:30-1:20 final EXAM: all material covered, focus on material since exam1					Study material assigned before the date listed to prepare for daily quiz & exercises
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	12		Wed.	10-Dec	11:30-1:20 final EXAM: all material covered, focus on material since exam1