

AP Computer Science

Student Name: APCSA S1 Pacing Guide 08292022

Start Date: Monday, August 29, 2022

End Date: Thursday, December 15, 2022

Estimated Hours Per Week: 4.5 hours

Estimated Time To Complete: 16 weeks

Task Number and Description	Est. Minutes
Items for Completion Week Of Aug 29, 2022 to Sep 04, 2022	
01.00 Orientation	15
01.01 Course Folder Management	15
01.02 Installing Java	15
01.03 Installing the BlueJ IDE	30
01.04 Student Contact Card	60
01.05 Stylish Java	30
01.06 Order of Operations	60
01.07 Printing Arithmetic Expressions	45
Items for Completion Week Of Sep 05, 2022 to Sep 11, 2022	
01.08 Primitive Data Type: ints	60
01.09 Primitive Data Type: doubles	60
01.10 Arithmetic Expressions	90
01.11 Primitive Data Type Conversions (This assignment is continued in the next week)	60
Items for Completion Week Of Sep 12, 2022 to Sep 18, 2022	
01.11 Primitive Data Type Conversions (This assignment is continued from the previous week)	30
01.12 Pitfalls, Surprises, and Shortcuts	75
01.13 Challenge Program	90
01.14 Discussion-Based Assessment	30
01.15 Checkpoint Beta	10
02.00 Introduction	10
02.01 Pseudocode, Recipe for Success (This assignment is continued in the next week)	25
Items for Completion Week Of Sep 19, 2022 to Sep 25, 2022	
02.01 Pseudocode, Recipe for Success (This assignment is continued from the previous week)	20
02.02 The Java API	45
02.03 Java's Math Class	105

02.04 Primitive Data Types: char	30
02.05 String Objects Lite	45
02.06 String Class Method: The Basics (This assignment is continued in the next week)	25
Items for Completion Week Of Sep 26, 2022 to Oct 02, 2022	
02.06 String Class Method: The Basics (This assignment is continued from the previous week)	65
02.07 Scanner Class Methods	75
02.08 Parsing	60
02.09 Calling Methods in Java (This assignment is continued in the next week)	70
Items for Completion Week Of Oct 03, 2022 to Oct 09, 2022	
02.09 Calling Methods in Java (This assignment is continued from the previous week)	20
02.10 Challenge Program	90
02.11 Module 02 Exam	60
03.00 Getting Started with if Statements	10
03.01 Number Systems	75
03.02 Primitive Data Types: booleans (This assignment is continued in the next week)	15
Items for Completion Week Of Oct 10, 2022 to Oct 16, 2022	
03.02 Primitive Data Types: booleans (This assignment is continued from the previous week)	60
03.03 Condition Statements: if	105
03.04 Condition Statements: if-else (This assignment is continued in the next week)	105
Items for Completion Week Of Oct 17, 2022 to Oct 23, 2022	
03.04 Condition Statements: if-else (This assignment is continued from the previous week)	15
03.05 Condition Statements: if-else-if	120
03.06 Comparing Strings	120
03.07 Logical Operator (This assignment is continued in the next week)	15
Items for Completion Week Of Oct 24, 2022 to Oct 30, 2022	
03.07 Logical Operator (This assignment is continued from the previous week)	90
03.08 Discussion-Based Assessment	30
03.09 Checkpoint Delta	15
04.00 Loops	15
04.01 While Loops (Part 1)	60
04.02 While Loops (Part 2)	60
Items for Completion Week Of Oct 31, 2022 to Nov 06, 2022	
04.03 Reading Text Files	120
04.04 For Loops	120
04.05 Nested Loops (This assignment is continued in the next week)	30

Items for Completion Week Of Nov 07, 2022 to Nov 13, 2022	
04.05 Nested Loops (This assignment is continued from the previous week)	90
04.06 Writing Text Files	120
04.07 Challenge Program (This assignment is continued in the next week)	60
Items for Completion Week Of Nov 14, 2022 to Nov 20, 2022	
04.07 Challenge Program (This assignment is continued from the previous week)	90
04.08 Module 04 Exam	60
05.00 Procedural and OOP Styles	10
05.01 Defining New Static Methods: Part 1	90
05.02 Defining New Static Methods: Part 2 (This assignment is continued in the next week)	20
Items for Completion Week Of Nov 21, 2022 to Nov 27, 2022	
05.02 Defining New Static Methods: Part 2 (This assignment is continued from the previous week)	100
05.03 Getting Started with Objects	15
05.04 Instances of a Class	60
05.05 Default Constructors	90
05.06 Constructors with Parameters (This assignment is continued in the next week)	5
Items for Completion Week Of Nov 28, 2022 to Dec 04, 2022	
05.06 Constructors with Parameters (This assignment is continued from the previous week)	115
05.07 Overloading Methods and Using Two Classes	120
05.08 Constructing Multiple Objects (This assignment is continued in the next week)	35
Items for Completion Week Of Dec 05, 2022 to Dec 11, 2022	
05.08 Constructing Multiple Objects (This assignment is continued from the previous week)	85
05.09 Programming Ethics and Security	10
05.10 Discussion-Based Assessment	60
05.11 Part A Segment One Exam-Multiple-Choice (This assignment is continued in the next week)	115
Items for Completion Week Of Dec 12, 2022 to Dec 18, 2022	
05.11 Part A Segment One Exam-Multiple-Choice (This assignment is continued from the previous week)	5
05.11 Part B Segment One Exam-Free Response	120