

Name: Robert Lefrandt	Grading Quarter: 2	Week Beginning: 09/18/2023
School Year: 2023-24	Subject: Software & App Design	

Monday	<p>Notes: 09/18/2023</p> <p><u>Operators and Expressions in Python - Real Python</u></p> <p>A sequence of operands and operators, like a + b - 5, is called an expression. Python supports many operators for combining data objects into expressions.</p>	<p style="text-align: center;">09/18/2023</p> <p>Objective: students learn how to program Combine operators and function calls into larger expressions.</p> <p>Lesson Overview:</p> <p>Students will login to their Smart Tech Coders CS 201 Python accounts. Students will work though the Learning Management System (LMS) curriculum to learn Python.</p> <p>Unit 1: Linear Programs 1.4 Expressions (5days: 5/5) ***Complete ****O/X-1.4 Expressions – Lesson Check</p> <p>X-Denotes activities completed from list. O-Denotes working on or where left off</p> <p>Activities X-Warm-Up: Curds and Weight X-Compound Assignment Operators X-Forecasting Followers X-Mathemagic X-Warm-Up: Talent Show Judging X-Return Values X-Clue Scramble X-Type Detective X-Warm-Up: Order Up X-Typecast Input, (1), (2) X-Increment a String, (1), (2) O/X-Warm-Up: Tip Calculator Comprehension O/X-1.4 Expressions – Lesson Check O-Warm-Up: Auto Quote O-Global Concert O***1.4 Expressions Review O***Unit Practice Test Review</p> <p>Activity Library O/X-Creature Star Arena O/X-Tale Teller</p> <p>***If finish TechSmartCoders – Python Daily Lessons and Activity library, then go to: FreeCodeCamp and work on Front/Back End Web Stack and Certifications***</p>	<p>Academic Standards: AZ_CTE SoftwareAppDesign TechStandards</p> <p>STANDARD 1.0 APPLY PROBLEM-SOLVING AND CRITICAL THINKING SKILLS</p> <p>STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES AND STRINGS IN WRITING PROGRAMS</p> <p>STANDARD 5.0 PERFORM BASIC COMPUTER MATHEMATICS IN INFORMATION TECHNOLOGY 5.3 Identify and correctly use arithmetic operations applying the order of operations (precedence) with respect to programming 5.5 Identify correct and problematic uses of integers, floating-point numbers, and fixed-point numbers in arithmetic</p> <p>STANDARD 12.0 DEVELOP A PROGRAM 12.1 Use a program editor to enter and modify code 12.2 Identify correct input/output statements 12.10 Demonstrate the use of parameters to pass data into program modules 12.11 Demonstrate the use of return values from modules</p> <p>STANDARD 13.0 TEST AND DEBUG TO VERIFY PROGRAM OPERATION 13.1 Identify errors in program modules</p> <p>STANDARD 14.0 UTILIZE AND CREATE COMMUNITY RESOURCES 14.1 Use standard library functions</p>
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Tuesday	<p>Notes: 09/19/2023</p> <p><u>Operators and Expressions in Python - Real Python</u></p> <p>A sequence of operands and operators, like a + b - 5, is called an expression. Python supports many operators for combining data objects into expressions.</p>	<p>Objective: students learn how to program Combine operators and function calls into larger expressions.</p> <p>Lesson Overview:</p> <p>Students will login to their Smart Tech Coders CS 201 Python accounts. Students will work though the Learning Management System (LMS) curriculum to learn Python.</p> <p>Activity Library</p> <p>O/X-1.4 Expressions – Lesson Check</p> <p>Unit 1: Linear Programs 1.4 Expressions (5days: 5/5) - Completed</p> <p>O-1.4 Expressions – Lesson Check O-1.4 Expressions Review O-Unit Practice Test Review</p> <p>*** Unit 1 Test (Take Tuesday/Wednesday)</p> <p>Activity Library</p> <p>Unit1 Review</p> <p>***If finish TechSmartCoders – Python Daily Lessons and Activity library, then go to: FreeCodeCamp and work on Front/Back End Web Stack and Certifications***</p>	<p>Academic Standards: AZ_CTE SoftwareAppDesign TechStandards</p> <p>STANDARD 1.0 APPLY PROBLEM-SOLVING AND CRITICAL THINKING SKILLS</p> <p>STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES AND STRINGS IN WRITING PROGRAMS</p> <p>STANDARD 5.0 PERFORM BASIC COMPUTER MATHEMATICS IN INFORMATION TECHNOLOGY 5.3 Identify and correctly use arithmetic operations applying the order of operations (precedence) with respect to programming 5.5 Identify correct and problematic uses of integers, floating-point numbers, and fixed-point numbers in arithmetic</p> <p>STANDARD 12.0 DEVELOP A PROGRAM 12.1 Use a program editor to enter and modify code 12.2 Identify correct input/output statements 12.10 Demonstrate the use of parameters to pass data into program modules 12.11 Demonstrate the use of return values from modules</p> <p>STANDARD 13.0 TEST AND DEBUG TO VERIFY PROGRAM OPERATION 13.1 Identify errors in program modules</p> <p>STANDARD 14.0 UTILIZE AND CREATE COMMUNITY RESOURCES 14.1 Use standard library functions</p>
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Thursday	<p>Notes: 09/21/2023</p> <p><u>Operators and Expressions in Python - Real Python</u></p> <p>A sequence of operands and operators, like a + b - 5, is called an expression. Python supports many operators for combining data objects into expressions.</p>	<p>Objective: students learn how to program Combine operators and function calls into larger expressions.</p> <p>Lesson Overview: Students will login to their Smart Tech Coders CS 201 Python accounts. Students will work though the Learning Management System (LMS) curriculum to learn Python.</p> <p>***Will be gone to 2 Day Profesional Development Training (Thursday/Firday thisweek). Students will go to:</p> <p>FreeCodeCamp and work on Front/Back End Web Stack and Certifications***</p> <p>Activity Library</p> <p>***If finish TechSmartCoders – Python Daily Lessons and Activity library, then go to: FreeCodeCamp and work on Front/Back End Web Stack and Certifications***</p>	<p>Academic Standards: AZ_CTE SoftwareAppDesign TechStandards</p> <p>STANDARD 1.0 APPLY PROBLEM-SOLVING AND CRITICAL THINKING SKILLS</p> <p>STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES AND STRINGS IN WRITING PROGRAMS</p> <p>STANDARD 5.0 PERFORM BASIC COMPUTER MATHEMATICS IN INFORMATION TECHNOLOGY 5.3 Identify and correctly use arithmetic operations applying the order of operations (precedence) with respect to programming 5.5 Identify correct and problematic uses of integers, floating-point numbers, and fixed-point numbers in arithmetic</p> <p>STANDARD 12.0 DEVELOP A PROGRAM 12.1 Use a program editor to enter and modify code 12.2 Identify correct input/output statements 12.10 Demonstrate the use of parameters to pass data into program modules 12.11 Demonstrate the use of return values from modules</p> <p>STANDARD 13.0 TEST AND DEBUG TO VERIFY PROGRAM OPERATION 13.1 Identify errors in program modules</p> <p>STANDARD 14.0 UTILIZE AND CREATE COMMUNITY RESOURCES 14.1 Use standard library functions</p>
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