Name: Robert Lefrandt	Grading Quarter: 2	Week Beginning: 09/04/2023
School Year: 2023-24		Subject: Software & App Design

Monday	Notes: 09/04/2023	***No School*** **09/04/2023** Objective: Lesson Overview:	Academic Standards: AZ_CTE SoftwareAppDesign TechStandards
Tuesday	Notes: 09/05/2023 <u>Operators and Expressions in Python - Real Python</u> A sequence of operands and operators, like a + b - 5, is called an **expression**. **Python** supports many operators for combining data objects into **expressions**.	**Objective: STANDARD 6.0** UTILIZE CONDITIONAL STRUCTURES IN WRITING PROGRAMS **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. **Unit 1: Linear Programs** 1.4 Expressions (5days: 1/5) **Activities** Warm-Up: Curds and Weight Compound Assignment Operators Forecasting Followers Mathemagic Warm-Up: Talent Show Judging Return Values Clue Scramble Type Detective Warm-Up: Order Up Typecast Input, (1), (2) Increment a String, (1), (2) Warm-Up: Tip Calculator Comprehension Warm-Up: Auto Quote Global Concert **Activity Library** Creature Star Arena Tale Teller ***If finish TechSmartCoders – Python Daily Lessons and Activity library, then go to: FreeCodeCamp and work on Front/Back End Web Stack and Certifications***	Academic Standards: AZ_CTE SoftwareAppDesign TechStandards STANDARD 6.0 UTILIZE CONDITIONAL STRUCTURES IN WRITING PROGRAMS 6.1 Use the correct syntax for decision statements (e.g., if/else, if, and switch case) 6.2 Compare values using relational operators (e.g., =, >, <, >=, <=, and not equal) 6.3 Evaluate Boolean expressions (e.g., AND, OR, NOT, NOR, and XOR) 6.4 Use the correct nesting for decision structures

| Wednesday | Notes:
  09/06/2023

Operators and Expressions in Python - Real Python

A sequence of operands and operators, like a + b - 5, is called an **expression**. **Python** supports many operators for combining data objects into **expressions**. | **Objective: STANDARD 6.0**
UTILIZE CONDITIONAL STRUCTURES IN WRITING PROGRAMS

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.

Unit 1: Linear Programs
1.4 Expressions (5days: 2/5)

 Activities
Warm-Up: Curds and Weight
Compound Assignment Operators
Forecasting Followers
Mathemagic
Warm-Up: Talent Show Judging
Return Values
Clue Scramble
Type Detective
Warm-Up: Order Up
Typecast Input, (1), (2)
Increment a String, (1), (2)
Warm-Up: Tip Calculator Comprehension
Warm-Up: Auto Quote
Global Concert

Activity Library

Creature Star Arena

Tale Teller

If finish TechSmartCoders – Python Daily Lessons and Activity library, then go to: FreeCodeCamp and work on Front/Back End Web Stack and Certifications | Academic Standards:

AZ_CTE SoftwareAppDesign TechStandards

STANDARD 6.0 UTILIZE CONDITIONAL STRUCTURES IN WRITING PROGRAMS

6.1
Use the correct syntax for decision statements (e.g., if/else, if, and switch case)

6.2
Compare values using relational operators (e.g., =, >, <, >=, <=, and not equal)

6.3
Evaluate Boolean expressions (e.g., AND, OR, NOT, NOR, and XOR)

6.4
Use the correct nesting for decision structures |

Thursday	Notes: 09/07/2023 <u>Operators and Expressions in Python - Real Python</u> A sequence of operands and operators, like a + b - 5, is called an **expression**. **Python** supports many operators for combining data objects into **expressions**.	**Objective: STANDARD 6.0** UTILIZE CONDITIONAL STRUCTURES IN WRITING PROGRAMS **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. **Unit 1: Linear Programs** 1.4 Expressions (5days: 3/5) **Activities** Warm-Up: Curds and Weight Compound Assignment Operators Forecasting Followers Mathemagic Warm-Up: Talent Show Judging Return Values Clue Scramble Type Detective Warm-Up: Order Up Typecast Input, (1), (2) Increment a String, (1), (2) Warm-Up: Tip Calculator Comprehension Warm-Up: Auto Quote Global Concert **Activity Library** Creature Star Arena Tale Teller ***If finish TechSmartCoders – Python Daily Lessons and Activity library, then go to: FreeCodeCamp and work on Front/Back End Web Stack and Certifications***	Academic Standards: AZ_CTE SoftwareAppDesign TechStandards STANDARD 6.0 UTILIZE CONDITIONAL STRUCTURES IN WRITING PROGRAMS 6.1 Use the correct syntax for decision statements (e.g., if/else, if, and switch case) 6.2 Compare values using relational operators (e.g., =, >, <, >=, <=, and not equal) 6.3 Evaluate Boolean expressions (e.g., AND, OR, NOT, NOR, and XOR) 6.4 Use the correct nesting for decision structures

Friday	Notes: 09/08/2023 Operators and Expressions in Python - Real Python A sequence of operands and operators, like a + b - 5, is called an **expression**. **Python** supports many operators for combining data objects into **expressions**.	**Objective: STANDARD 6.0** UTILIZE CONDITIONAL STRUCTURES IN WRITING PROGRAMS **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. ## Unit 1: Linear Programs 1.4 Expressions (5days: 4/5) **Activities** Warm-Up: Curds and Weight Compound Assignment Operators Forecasting Followers Mathemagic Warm-Up: Talent Show Judging Return Values Clue Scramble Type Detective Warm-Up: Order Up Typecast Input, (1), (2) Increment a String, (1), (2) Warm-Up: Tip Calculator Comprehension Warm-Up: Auto Quote Global Concert **Activity Library** Creature Star Arena Tale Teller ***If finish TechSmartCoders – Python Daily Lessons and Activity library, then go to: FreeCodeCamp and work on Front/Back End Web Stack and Certifications***	Academic Standards: AZ_CTE SoftwareAppDesign TechStandards STANDARD 6.0 UTILIZE CONDITIONAL STRUCTURES IN WRITING PROGRAMS 6.1 Use the correct syntax for decision statements (e.g., if/else, if, and switch case) 6.2 Compare values using relational operators (e.g., =, >, <, >=, <=, and not equal) 6.3 Evaluate Boolean expressions (e.g., AND, OR, NOT, NOR, and XOR) 6.4 Use the correct nesting for decision structures