Name:	Grading Quarter:	Week Beginning: 9	
Robert Lefrandt	1	09/25/2023	
School Year: 2023-24	Subject: Software & App Design		

Pvthon supports many operators for combining data Lesson Overview: objects into expressions. Students will login to their Smart Tech Coders CS 201 Python accounts. Compare Students will work though the Learning Management System (LMS) other LMS's curriculum to learn Python. Unit 1: Linear Programs Harvard 1.4 Expressions (5days: 5/5) CS50x X = Completed, O=Introduce/Complete this week MS Visual Code Studio X-1.4 Expressions – Lesson Check Al assistants X-1.4 Expressions Review X-Unit Practice Test Review Prompt Monday Engineering *** O-Review Unit 1 Test (Taken Tuesday/Wednesday) AFE CS AP **Principles** O-Apply Unit 1 Programming skills to: Panning a Program Code Your Own - Planning Code your Own O-Unit 2: Decisions Lesson 2.1: Conditionals (if) 2.1 Unit 2 Introduction 2.1 if Staments 2.1 Same Name 2.1 True or False ***If finish TechSmartCoders – Python Daily Lessons and Activity library,

Certifications***

09/18/2023

Combine operators and function calls into larger expressions.

then go to: FreeCodeCamp and work on Front/Back End Web Stack and

identify which comparison operator is most appropriate in a given context

write code that decides whether or not to perform an action

Notes:

09/25/2023

Operators and

Expressions in

Python - Real

A sequence of

operands and operators, like a + b

- 5, is called an

expression.

Python

Objective:

Students learn how to program

Identify if statements in code

Identify the condition within an if statement

Describe how an if statement makes a decision

Academic Standards:
AZ_CTE
SoftwareAppDesign
TechStandards

STANDARD 1.0 APPLY PROBLEM-SOLVING AND CRITICAL THINKING SKILLS

STANDARD 4.0 UTILIZE PRIMITIVE DATA TYPES AND STRINGS IN WRITING PROGRAMS

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, floatingpoint numbers, and fixed-point numbers in arithmetic

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

Tuesday

Operators and Expressions in Python - Real

09/26/2023

Notes:

<u>Pvthon</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.

Compare other LMS's

Harvard CS50x

MS Visual Code Studio Al assistants

Prompt Engineering

AFE CS AP Principles

Objective:

Students learn how to program

- Combine operators and function calls into larger expressions.
- write code that decides whether or not to perform an action
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- Identify the condition within an if statement
- Describe how an if statement makes a decision
- identify which comparison operator is most appropriate in a given context

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: 5/5)

X = Completed, O=Introduce/Complete this week

X-1.4 Expressions – Lesson Check

X-1.4 Expressions Review

X-Unit Practice Test Review

*** O-Review Unit 1 Test (Taken Tuesday/Wednesday)

O-Apply Unit 1 Programming skills to:

- Panning a Program
- Code Your Own Planning
- Code your Own

O-Unit 2: Decisions Lesson 2.1: Conditionals (if)

2.1 Unit 2 Introduction

- 2.1 if Staments
- 2.1 Same Name
- 2.1 True or False

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Academic Standards: AZ CTE

SoftwareAppDesign TechStandards

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STANDARD 4.0

UTILIZE PRIMITIVE DATA TYPES AND STRINGS IN WRITING PROGRAMS

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STANDARD 13.0 TEST

Wednesday

Operators and Expressions in Python - Real

09/27/2023

Notes:

Python

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Compare other LMS's

CS50x

Harvard

MS Visual Code Studio Al assistants

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Unit 1: Linear Programs

1.4 Expressions (5days: 5/5)

X =Completed, O=Introduce/Complete this week

X-1.4 Expressions – Lesson Check

X-1.4 Expressions Review

X-Unit Practice Test Review

*** O-Review Unit 1 Test (Taken Tuesday/Wednesday)

O-Apply Unit 1 Programming skills to:

- Panning a Program
- Code Your Own Planning
- Code your Own

O-Unit 2: Decisions

Lesson 2.1: Conditionals (if)

- 2.1 Unit 2 Introduction
- 2.1 if Staments
- 2.1 Same Name
- 2.1 True or False

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STANDARD 13.0 TEST

Thursday

Operators and Expressions in Python - Real

09/28/2023

Notes:

Python

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Compare other LMS's

Harvard CS50x

MS Visual Code Studio Al assistants

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AFE CS AP Principles

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Unit 1: Linear Programs

1.4 Expressions (5days: 5/5)

X =Completed, O=Introduce/Complete this week

X-1.4 Expressions – Lesson Check

X-1.4 Expressions Review

X-Unit Practice Test Review

*** O-Review Unit 1 Test (Taken Tuesday/Wednesday)

O-Apply Unit 1 Programming skills to:

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O-Unit 2: Decisions Lesson 2.1: Conditionals (if)

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Notes:

09/29/2023

Operators and Expressions in Python - Real Python

A sequence of operands and9 operators, like a + b - 5, is called an expression. Python supports many operators for combining data objects into expressions.

students learn how to program

Combine operators and function calls into larger expressions.

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.

Will be gone on Friday, 29, and Saturday 30, 2023 – For BRHS Chess Competition in Tuba City

Students work on:

- Smart Tech Coders CS 201 Python Unit 2 Lessons
- FreeCodeCamp Front/Back End Web Stack and Certifications***

Activity Library

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 1.0 APPLY PROBLEM-SOLVING AND CRITICAL THINKING SKILLS

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