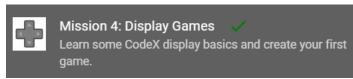


Name:

Mission 4 Assignment – Display Games

Learn some CodeX display basics. Use the CodeX's NeoPixels and push-buttons to create your first game. We're jumping in head-first with some real Python coding. Mission Reminders.



·	
You will create quite a bit of code during this lesson happening and document your debugging proces	on. When you encounter an error, make a note of what is s in the table below.
1. Complete Objective #1. Click on the wrend	ch for "argument".
What does "argument" mean?	
2. Complete Objective #2. Click on the wrend	ch for "Type" and "String".
Give a fact about variable types:	
What are the three variable types discussed?	
What is a "string"?	
3. Complete Objective #3, Objective #4. Read	d ALL the information for the objective!
What built-in function will convert any value to a string?	
What built-in function will convert any value to an integer (if possible)?	
4. Complete the Quiz and Objective #5. Read	ALL the information for the objective.
What vocabulary word (from mission 3) explains why only the 2nd text appears on the screen?	
5. Complete Objective #6, the Quiz and Obje	ective #7. Click on "branching" and "boolean" and "indented"
Give a fact about branching.	
Give a fact about boolean:	
Give a fact about indenting:	
6. Complete Objective #8. This step uses the	simulator, not the CodeX.
7. Complete Objective #9. Back to the Code	Cand modify your code.
8. Complete the Quiz and Objective #10. You	ı will create a game!
-	



After you create a working game that asks the user to press 4 buttons, paste a snippet of your code:					
EXTENSIONS Still have time? Make modifications to your code. Come up with your own idea, or try one of these: • Fill the screen with red or green (or a short sleep) in additional to changing a pixel • Add an image at the end of the game • Display an image after each challenge for a short sleep before asking for the next button • Add a counter and display a winning or losing message or image					
Debugging Table					
	e mistakes. Keep track of the mistakes ogrammer. Add rows to the table as ne				
Error message that is displayed	Actual bug	How you fixed it			

SUCCESS CRITERIA:

_	- C: I			· · ·	- 11
	Define and	use an argumer	า† เท	a function	call

☐ Understand and use variable types, converting types when needed



Use a Boolean condition in an ifthen statement
Receive input from the user through a push-button
Program a push-button to make a fast-click game.
Debug any errors in the code and keep a debugging table
Write a program run it and save it to the CodeX