In-Class Exercise - Python Tuples (Save As: tuple_exercises.py)

INSTRUCTIONS: - Read the statements below and perform the tasks.

Tuple of Integers

1. Create a tuple name **tuple1**.
2. Place the following values in **tuple1**: 1, 2, 3
3. Print **tuple1**.

Tuple of Mixed Data Types

1. Create a mixed data type tuple name **tuple2**.
2. Place the following values in **tuple2**: 1, "Hafa Adai", 5.7
4. Print **tuple2**.

Accessing Tuple Elements

1. Create a tuple name **tuple3**.
2. Place the following values in **tuple3**: "p", "e", "r", "m", "i", "t"
3. Write a print statement to print the "r".
4. Write a print statement to print the "t" using negative indexing.

Slicing a Tuple

1. Create a tuple name **tuple4**.
2. Place the following values in **tuple4**: "p", "r", "o", "g", "r", "a", "m", "i", "z"
3. Print elements from the 2nd to 4th using slicing.

Tuple Methods
count( )
index( )

1. Create a tuple name **tuple5**.
2. Place the following values in **tuple5**: "b", "a", "n", "a", "n", "a"
3. Using a tuple method, print how many instances of "a" is in **tuple5**.
4. Using a tuple method, print the position where "b" is located in **tuple5**.

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Check If Item Exists in Tuple

1. Create a tuple name **tuple6**.
2. Place the following values in **tuple6**: “apple”, “banana”, “cherry”, “kiwi”, “melon”
3. Check to see if “apple” is in the tuple, and print “Yes”
4. Check to see if “mango” is in the tuple, if it is print “Yes”, if not, print “No”

Traverse through a Tuple

1. Use a for loop to traverse through **tuple6** and print each fruit.