TASK :

Find All Duplicates in an Array

Instructions: Given an array of integers, find all the elements that appear twice in the array and return them.

Example Test Case:

Input: [4, 3, 2, 7, 8, 2, 3, 1]

Output: [2, 3]

ANSWER :

def findDuplicates(nums):

seen = set()

duplicates = []

for num in nums:

if num in seen:

duplicates.append(num)

else:

seen.add(num)

return duplicates

nums = [4, 3, 2, 7, 8, 2, 3, 1]

print(findDuplicates(nums))