def is\_prime(num):

if num <= 1:

return False

for i in range(2, int(num \*\* 0.5) + 1):

if num % i == 0:

return False

return True

numbers = list(map(int, input("Enter numbers separated by space: ").split()))

primes = [num for num in numbers if is\_prime(num)]

composites = [num for num in numbers if not is\_prime(num)]

print(f"Primes: {primes}, Composites: {composites}")