### **1. Prison Canteen Supply Tracker (OrderedDict, Counter)**

🚔 *Theme: Managing a Prison Canteen*

**Problem:**  
You are in charge of tracking food supplies in a prison canteen. Prisoners purchase items, and you need to maintain the **total quantity sold** for each item in the order they were **first requested**.

Write a function that takes a list of tuples where each tuple contains a food item and quantity bought. The function should return an OrderedDict with total quantities per item in order of their first purchase.

**Example Input:**

requests = [  
 ("bread", 5),  
 ("milk", 2),  
 ("bread", 3),  
 ("cigarettes", 4),  
 ("milk", 1)  
]

**Expected Output:**

OrderedDict([  
 ('bread', 8),  
 ('milk', 3),  
 ('cigarettes', 4)  
])

📌 **Hint:** Use OrderedDict and Counter to track purchases.

### **2. Battlefield Communications Decoder (defaultdict, deque)**

🔫 *Theme: Warzone Battlefield Encryption*

**Problem:**  
A military unit is intercepting encrypted enemy messages. Each word in the messages is an **anagram** of an actual codeword. You have a dictionary of known codewords, and you need to **decode** the intercepted words.

Write a function that takes a list of known codewords and a list of intercepted messages. Return the correct words. If no match is found, return "UNKNOWN".

**Example Input:**

codewords = ["attack", "retreat", "sniper", "danger", "tanks", "enemy"]  
intercepted = ["ckatta", "ratreet", "ksnat", "shadow"]

**Expected Output:**

['attack', 'retreat', 'tanks', 'UNKNOWN']

📌 **Hint:** Use defaultdict(list) to map sorted characters of words.

### **3. Interstellar Crew Management (namedtuple, deque)**

🚀 *Theme: Managing an Interstellar Space Crew*

**Problem:**  
You are the captain of a spaceship on a deep-space mission. Your crew members each have a **name, role, and experience level**.

1. Use namedtuple to store crew member details.
2. Use deque to manage the **roster efficiently**.
3. Implement functions to:
   * **Add a new crew member**
   * **Remove the least experienced member**
   * **Display the current crew lineup**

**Example Usage:**

add\_crew("Commander Vega", "Pilot", 9)  
add\_crew("Dr. Nova", "Scientist", 8)  
add\_crew("Lt. Orion", "Engineer", 7)  
remove\_least\_experienced()  
display\_roster()

**Expected Output:**

Current Crew Roster:  
1. Commander Vega (Role: Pilot, Experience: 9)  
2. Dr. Nova (Role: Scientist, Experience: 8)

📌 **Hint:** Use namedtuple for structured crew data and deque for efficient roster changes.