

Scenario:

You are working on a logistics platform that generates IDs for delivery shipments. Each shipment record contains a raw tracking string that needs to be cleaned and formatted before storing it in the database.

Problem Statement

Given a raw tracking string, write a function to transform it according to the following rules:

1. Remove all spaces and special characters except hyphens (-).
2. If the string contains lowercase letters, convert them to uppercase.
3. If the cleaned string has more than 12 characters, trim it to the first 12 characters. If it has fewer than 12 characters, pad it with X at the end until its length becomes 12.

Return the final formatted tracking ID.

 **Sample Input & Output****Example 1****Input:**

```
raw = " ab-12$#CD 34@!"
```

Output:

AB-12CD34XX

Explanation:

- Remove spaces + special chars → ab-12CD34
 - Convert to uppercase → AB-12CD34
 - Length = 10 < 12 → pad with 2 'X' → AB-12CD34XX
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Example 2**Input:**

```
raw = "##track-MUM-EXP-9087123456!!"
```

Output:

TRACK-MUM-EX

Explanation:

- Clean → track-MUM-EXP-9087123456
 - Convert to uppercase → TRACK-MUM-EXP-9087123456
 - Length > 12 → take first 12 chars → TRACK-MUM-EX
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Example 3

Input:

```
raw = " 9XY-4 "
```

Output:

9XY-4XXXXXXX

Explanation:

- Clean → 9XY-4
- Uppercase → 9XY-4
- Length = 5 → pad with 7 'X' → 12 chars