**Removing Special Characters from a String**

**1. Introduction**

This project takes a string from the user and removes all **special characters** (such as @, #, $, %, !, etc.).  
The output is a **clean string** that contains only:

* Alphabets (A–Z, a–z)
* Numbers (0–9)
* Spaces

**2. Process Explanation**

**Step 1: User Input**

The program asks the user to type a string.  
Example:

Enter a string: Hello@World! 123#

**Step 2: Checking Each Character**

* The program goes through each character one by one.
* For every character, it checks:
  + If it is **alphanumeric** (letters or numbers).
  + If it is a **space**.
* If either condition is true, the character is kept.
* Otherwise, it is skipped (removed).

**Step 3: Building a Clean String**

* A new empty string is created at the start.
* Valid characters are added to this new string.
* Special characters are not added.

Example walkthrough with input **"Hello@World! 123#"**:

1. H → kept
2. e → kept
3. l → kept
4. l → kept
5. o → kept
6. @ → removed
7. W → kept
8. o → kept
9. r → kept
10. l → kept
11. d → kept
12. ! → removed
13. (space) → kept
14. 1 → kept
15. 2 → kept
16. 3 → kept
17. # → removed

**Step 4: Displaying Output**

After removing unwanted characters, the final clean string is shown.

**Example Runs:**

* Input: Hello@World! 123#  
  Output: HelloWorld 123
* Input: Python#Rocks!!  
  Output: PythonRocks