Problem 1410: HTML Entity Parser

Problem Information

Difficulty: Medium
Acceptance Rate: 50.19%
Paid Only: No
Tags: Hash Table, String

Problem Description

HTML entity parser is the parser that takes HTML code as input and replace all the entities of the special characters by the characters itself.

The special characters and their entities for HTML are:

* **Quotation Mark:** the entity is `"` and symbol character is `"`. * **Single Quote Mark:** the entity is `'` and symbol character is `'`. * **Ampersand:** the entity is `&` and symbol character is `&`. * **Greater Than Sign:** the entity is `>` and symbol character is `>`. * **Less Than Sign:** the entity is `<` and symbol character is `<`. * **Slash:** the entity is `⁄` and symbol character is `/`.

Given the input `text` string to the HTML parser, you have to implement the entity parser.

Return _the text after replacing the entities by the special characters_.

Example 1:

Input: text = "& is an HTML entity but &ambassador; is not." **Output:** "& is an HTML entity but &ambassador; is not." **Explanation:** The parser will replace the & entity by &

Example 2:

Input: text = "and I quote: "..."" **Output:** "and I quote: \"...\""

Constraints:

* `1 <= text.length <= 105` * The string may contain any possible characters out of all the 256 ASCII characters.

Code Snippets

C++:

```cpp
class Solution {
public:
string entityParser(string text) {


}
};
```

Java:

```java
class Solution {
public String entityParser(String text) {


}
}
```

Python3:

```python
class Solution:
def entityParser(self, text: str) -> str:
```