Our Solution(s) Run Code

Solution 1

```python
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# O(n) time | O(min(n, a)) space
def longestSubstringWithoutDuplication(string):
    lastSeen = {}
    longest = [0, 1]
    startIdx = 0
    for i, char in enumerate(string):
        if char in lastSeen:
            startIdx = max(startIdx, lastSeen[char] + 1)
        if longest[1] - longest[0] < i + 1 - startIdx:
            longest = [startIdx, i + 1]
        lastSeen[char] = i
    return string[longest[0] : longest[1]]

```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```python
def longestSubstringWithoutDuplication(string):
    # Write your code here.
    pass

```

Our Tests

Custom Output Submit Code

Run or submit code when you're ready.