

Problem 1796: Second Largest Digit in a String

Problem Information

Difficulty: [Easy](#)

Acceptance Rate: 0.00%

Paid Only: No

Problem Description

Given an alphanumeric string

s

, return

the

second largest

numerical digit that appears in

s

, or

-1

if it does not exist

.

An

alphanumeric

string is a string consisting of lowercase English letters and digits.

Example 1:

Input:

```
s = "dfa12321afd"
```

Output:

2

Explanation:

The digits that appear in s are [1, 2, 3]. The second largest digit is 2.

Example 2:

Input:

```
s = "abc1111"
```

Output:

-1

Explanation:

The digits that appear in s are [1]. There is no second largest digit.

Constraints:

$1 \leq s.length \leq 500$

s

consists of only lowercase English letters and digits.

Code Snippets

C++:

```
class Solution {  
public:  
    int secondHighest(string s) {  
  
    }  
};
```

Java:

```
class Solution {  
    public int secondHighest(String s) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def secondHighest(self, s: str) -> int:
```

Python:

```
class Solution(object):  
    def secondHighest(self, s):  
        """  
        :type s: str  
        :rtype: int  
        """
```

JavaScript:

```
/**  
 * @param {string} s  
 * @return {number}  
 */  
var secondHighest = function(s) {  
  
};
```

TypeScript:

```
function secondHighest(s: string): number {  
}  
};
```

C#:

```
public class Solution {  
    public int SecondHighest(string s) {  
  
    }  
}
```

C:

```
int secondHighest(char* s) {  
  
}
```

Go:

```
func secondHighest(s string) int {  
  
}
```

Kotlin:

```
class Solution {  
    fun secondHighest(s: String): Int {  
  
    }  
}
```

Swift:

```
class Solution {  
    func secondHighest(_ s: String) -> Int {  
  
    }  
}
```

Rust:

```
impl Solution {  
    pub fn second_highest(s: String) -> i32 {  
        }  
    }  
}
```

Ruby:

```
# @param {String} s  
# @return {Integer}  
def second_highest(s)  
  
end
```

PHP:

```
class Solution {  
  
    /**  
     * @param String $s  
     * @return Integer  
     */  
    function secondHighest($s) {  
  
    }  
}
```

Dart:

```
class Solution {  
    int secondHighest(String s) {  
  
    }  
}
```

Scala:

```
object Solution {  
    def secondHighest(s: String): Int = {  
  
    }  
}
```

Elixir:

```
defmodule Solution do
  @spec second_highest(s :: String.t) :: integer
  def second_highest(s) do
    end
  end
```

Erlang:

```
-spec second_highest(S :: unicode:unicode_binary()) -> integer().
second_highest(S) ->
  .
```

Racket:

```
(define/contract (second-highest s)
  (-> string? exact-integer?))
```

Solutions

C++ Solution:

```
/*
 * Problem: Second Largest Digit in a String
 * Difficulty: Easy
 * Tags: string, hash
 *
 * Approach: String manipulation with hash map or two pointers
 * Time Complexity: O(n) or O(n log n)
 * Space Complexity: O(n) for hash map
 */

class Solution {
public:
  int secondHighest(string s) {
    }
};
```

Java Solution:

```
/**  
 * Problem: Second Largest Digit in a String  
 * Difficulty: Easy  
 * Tags: string, hash  
 *  
 * Approach: String manipulation with hash map or two pointers  
 * Time Complexity: O(n) or O(n log n)  
 * Space Complexity: O(n) for hash map  
 */  
  
class Solution {  
    public int secondHighest(String s) {  
  
    }  
}
```

Python3 Solution:

```
"""  
Problem: Second Largest Digit in a String  
Difficulty: Easy  
Tags: string, hash  
  
Approach: String manipulation with hash map or two pointers  
Time Complexity: O(n) or O(n log n)  
Space Complexity: O(n) for hash map  
"""  
  
class Solution:  
    def secondHighest(self, s: str) -> int:  
        # TODO: Implement optimized solution  
        pass
```

Python Solution:

```
class Solution(object):  
    def secondHighest(self, s):  
        """  
        :type s: str  
        :rtype: int
```

```
"""
```

JavaScript Solution:

```
/**  
 * Problem: Second Largest Digit in a String  
 * Difficulty: Easy  
 * Tags: string, hash  
 *  
 * Approach: String manipulation with hash map or two pointers  
 * Time Complexity: O(n) or O(n log n)  
 * Space Complexity: O(n) for hash map  
 */  
  
/**  
 * @param {string} s  
 * @return {number}  
 */  
var secondHighest = function(s) {  
  
};
```

TypeScript Solution:

```
/**  
 * Problem: Second Largest Digit in a String  
 * Difficulty: Easy  
 * Tags: string, hash  
 *  
 * Approach: String manipulation with hash map or two pointers  
 * Time Complexity: O(n) or O(n log n)  
 * Space Complexity: O(n) for hash map  
 */  
  
function secondHighest(s: string): number {  
  
};
```

C# Solution:

```

/*
 * Problem: Second Largest Digit in a String
 * Difficulty: Easy
 * Tags: string, hash
 *
 * Approach: String manipulation with hash map or two pointers
 * Time Complexity: O(n) or O(n log n)
 * Space Complexity: O(n) for hash map
 */

public class Solution {
    public int SecondHighest(string s) {

    }
}

```

C Solution:

```

/*
 * Problem: Second Largest Digit in a String
 * Difficulty: Easy
 * Tags: string, hash
 *
 * Approach: String manipulation with hash map or two pointers
 * Time Complexity: O(n) or O(n log n)
 * Space Complexity: O(n) for hash map
 */

int secondHighest(char* s) {

}

```

Go Solution:

```

// Problem: Second Largest Digit in a String
// Difficulty: Easy
// Tags: string, hash
//
// Approach: String manipulation with hash map or two pointers
// Time Complexity: O(n) or O(n log n)
// Space Complexity: O(n) for hash map

```

```
func secondHighest(s string) int {  
    }  
}
```

Kotlin Solution:

```
class Solution {  
    fun secondHighest(s: String): Int {  
        }  
        }  
    }
```

Swift Solution:

```
class Solution {  
    func secondHighest(_ s: String) -> Int {  
        }  
        }  
    }
```

Rust Solution:

```
// Problem: Second Largest Digit in a String  
// Difficulty: Easy  
// Tags: string, hash  
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// Approach: String manipulation with hash map or two pointers  
// Time Complexity: O(n) or O(n log n)  
// Space Complexity: O(n) for hash map  
  
impl Solution {  
    pub fn second_highest(s: String) -> i32 {  
        }  
        }  
    }
```

Ruby Solution:

```
# @param {String} s  
# @return {Integer}  
def second_highest(s)
```

```
end
```

PHP Solution:

```
class Solution {  
  
    /**  
     * @param String $s  
     * @return Integer  
     */  
    function secondHighest($s) {  
  
    }  
}
```

Dart Solution:

```
class Solution {  
int secondHighest(String s) {  
  
}  
}
```

Scala Solution:

```
object Solution {  
def secondHighest(s: String): Int = {  
  
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```
(define/contract (second-highest s)  
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