

# 171. Excel Sheet Column Number

Easy

Topics

Companies

Given a string `columnTitle` that represents the column title as appears in an Excel sheet, return *its corresponding column number*.

For example:

```
A -> 1
B -> 2
C -> 3
...
Z -> 26
AA -> 27
AB -> 28
...
```

**Example 1:**

```
Input: columnTitle = "A"
Output: 1
```

### Example 2:

**Input:** `columnTitle = "AB"`  
**Output:** 28

### Example 3:

**Input:** `columnTitle = "ZY"`  
**Output:** 701

### Constraints:

- `1 <= columnTitle.length <= 7`
- `columnTitle` consists only of uppercase English letters.
- `columnTitle` is in the range `["A", "FXSHRXW"]`.

## Python:

class Solution:

```
def titleToNumber(self, columnTitle: str) -> int:
    result = 0
    for char in columnTitle:
        # Convert character to number (A=1, B=2, ..., Z=26)
        value = ord(char) - ord('A') + 1
        result = result * 26 + value
    return result
```

## JavaScript:

```
/**
 * @param {string} columnTitle
 * @return {number}
 */
var titleToNumber = function(columnTitle) {
    let result = 0;
    for (let i = 0; i < columnTitle.length; i++) {
        let charValue = columnTitle.charCodeAt(i) - 'A'.charCodeAt(0) + 1;
        result = result * 26 + charValue;
    }
    return result;
};
```

```
}  
    return result;  
};
```

## Java:

```
class Solution {  
    public int titleToNumber(String columnTitle) {  
        int result = 0;  
  
        for (int i = 0; i < columnTitle.length(); i++) {  
            char c = columnTitle.charAt(i);  
            // Convert character to number: 'A' -> 1, 'B' -> 2, ..., 'Z' -> 26  
            int value = c - 'A' + 1;  
  
            // Multiply previous result by 26 and add current value  
            result = result * 26 + value;  
        }  
  
        return result;  
    }  
}
```