



Ad



codestorywithMIK

MATHS...

↓
video-12

Leetcode
- 168

Easy

Excel Sheet

Column Title ...

Company :-

Meta

Microsoft

Zenejits

168. Excel Sheet Column Title

Easy 4087 578 Add to List Share

Given an integer `columnNumber`, return its corresponding column title as it appears in an Excel sheet.

For example:

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

Ex:-

1	2
A	B

Ex:-

(28)

↳ AB²

1	2	3 ..	26	27	28 ↘	AC. -
A	B	...	Z	AA	AB	AC. -

Numbers:-

10

How we deal
with normal
numbers ???

A...Z
AA, AB, AC...

num = 12
↑ ↑
"21"

```
while (num > 0) {  
    remainder = num / 10 ;  
    num = num / 10 ;  
}
```

1 9
2 10
3 11
4 12
5 13
6 14
7
8
:

Similarly Deal with



Ad



Summary Excel with

Excel Numbers :-

ColumnNo = 28

result = 'BA'

while (ColumnNo > 0) {

ColumnNo--;

remainder = ColumnNo % 26;

result += remainder + 'A';

ColumnNo = ColumnNo / 26;

$\log_2(\text{num})$

$\log_{26}(\text{colu})$

}

$$\textcircled{66} + \textcircled{25} = Z$$

$$A = \textcircled{66} \text{ } \underline{1}$$

A → 1

B → 2

C → 3

remainder + 'A' =

~~23~~
91
A = 66
B = 67
C = 68
D = 69

remainder + 'A' =
 $(1) + \frac{'A'}{66} = 67 - 1 = 66$

$$(2) + 'A' = 68 - 1 = \underline{\underline{67}} \\ \underline{\underline{B}}$$

A →

B → 2

$$\text{rem} = (3) + 'A' = \underline{69} - 1$$

C → 3

→ 68

Full Dry Run:-

```
while (n > 0) {  
    n--;
```


Full Dry Run:-

```
while (n > 0) {  
    n--;  
    remainder = n % 26;  
    result += remainder + 'A';  
    n = n / 26;  
}  
reverse result;  
return result;
```