Excel Sheet Column Title

Given a positive integer, return its corresponding column title as appear in an Excel sheet.

For example:

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

Credits:
Special thanks to @ifanchu for adding this problem and creating all test cases.

Solution 1

Java:

```java
return n == 0 ? "" : convertToTitle(--n / 26) + (char)('A' + (n % 26));
```

C++:

```cpp
return n == 0 ? "" : convertToTitle(n / 26) + (char) (--n % 26 + 'A');
```

update: because the behavior of different compilers, the safe version should be:

```cpp
return n == 0 ? "" : convertToTitle((n - 1) / 26) + (char) ((n - 1) % 26 + 'A');
```

Python:

```python
return "" if num == 0 else self.convertToTitle((num - 1) / 26) + chr((num - 1) %
26 + ord('A'))
```

written by xcv58 original link here

Solution 2

```java
public class Solution {
    public String convertToTitle(int n) {
        StringBuilder result = new StringBuilder();

        while(n>0){
            n--;
            result.insert(0, (char)('A' + n % 26));
            n /= 26;
        }

        return result.toString();
    }
}
```

written by murat original link here

Solution 3

```
string convertToTitle(int n) {
        string ans;
        while (n) {
            ans = char ((n - 1) % 26 + 'A') + ans;
            n = (n - 1) / 26;
        }
        return ans;
    }
```

written by shichaotan original link here

```
string convertToTitle(int n) {
        string ans;
        while (n) {
            ans = char ((n - 1) % 26 + 'A') + ans;
            n = (n - 1) / 26;
        }
        return ans;
    }
```