Learn How to Remove the First Two Characters from a Cell in Excel

Authored by

Mohammed looti

November 10, 2025

In data management and analysis, especially when working within Excel, it is a common requirement to standardize datasets by manipulating textual or numerical entries. One frequently encountered task involves stripping a specific number of characters or digits from the beginning of a cell's content. This operation is essential for cleaning up imported data, normalizing employee identification numbers, or removing leading prefixes that are no longer needed for subsequent calculations or lookups.

While this might seem complex, Excel provides a highly efficient and dynamic method using a combination of powerful text-handling functions. Specifically, we utilize the logical pairing of the **RIGHT function** and the **LEN function** to automate this process across vast ranges of data. This approach allows us to calculate the exact length of the remaining string after the unwanted leading characters have been excluded, ensuring accuracy regardless of the original entry's total length.

This comprehensive guide details the precise formula and methodology required to successfully remove the first two digits (or characters) from any cell entry. We will break down the mechanics of the formula, provide a practical, step-by-step example, and explore crucial edge cases, such as handling unwanted blank spaces, to guarantee a clean and reliable result for all your data cleaning needs.

The Core Formula: Combining RIGHT and LEN

To successfully remove a fixed number of characters from the start of a string in Excel, we must employ a strategy that tells the spreadsheet software exactly how many characters to keep, counting from the right side. Since data entries vary in length, we cannot simply tell the function to keep a fixed number like "four characters"; instead, we must calculate the required length dynamically based on the original entry's total length.

The solution involves nesting the **LEN function** inside the **RIGHT function**. The LEN function calculates the total number of characters in a given string. By subtracting the number of characters we wish to remove (in this case, 2) from the total length, we determine the exact number of characters that the RIGHT function needs to extract from the end of the cell content. This provides a robust and scalable method for data truncation.

The resulting formula is structured as follows, assuming the source data is located in cell **A2**:

=RIGHT(A2,LEN(A2)-2)

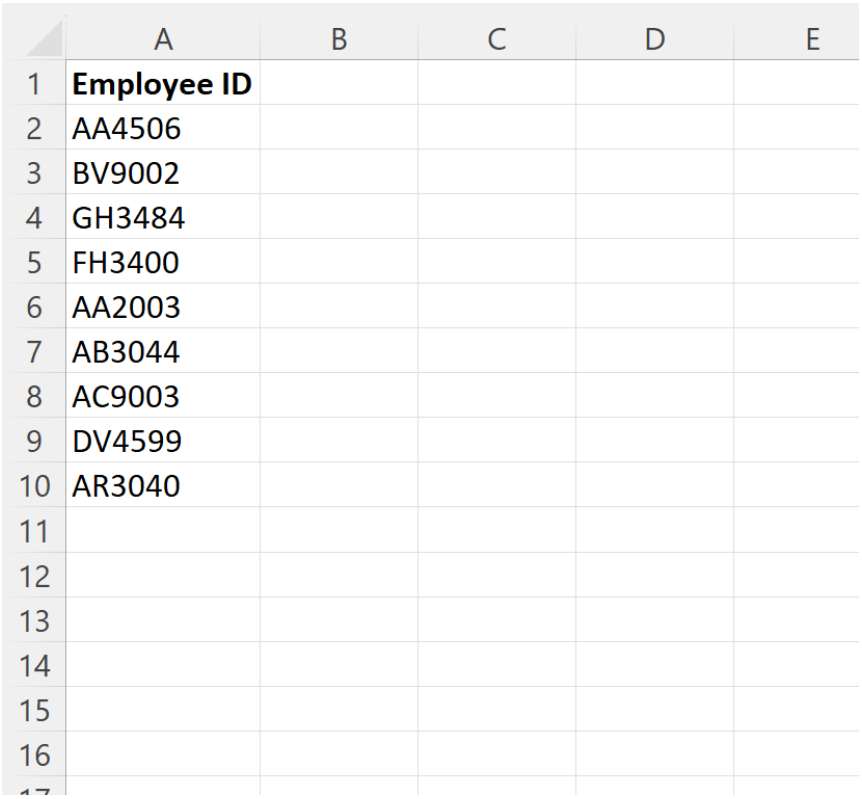
In plain language, this formula instructs Excel to look at the content of **A2**, calculate its total length using **LEN(A2)**, subtract 2 from that total (to account for the two characters we want to remove), and then extract the resulting number of characters starting from the rightmost position. For instance, if cell **A2** contains the entry **AA4506** (which has a total length of 6 characters), the

calculation becomes 6 - 2 = 4. The formula then returns the rightmost 4 characters, yielding **4506**, successfully removing the leading 'AA'.

Step-by-Step Example: Removing Prefixes from Employee IDs

To illustrate the practical application of this function pairing, consider a scenario where a database export has provided a list of employee IDs, all prefixed with two organizational codes that are no longer necessary for internal reporting. We need to clean this data quickly and efficiently.

Suppose we have the following list of employee IDs in Column A of our Excel sheet, starting in cell A2:



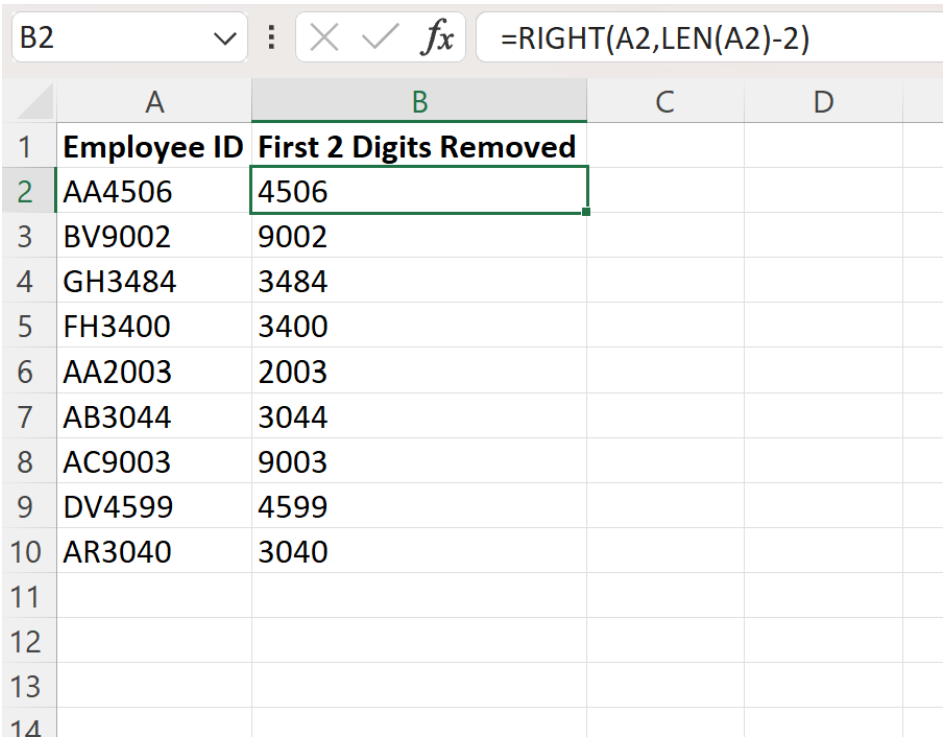
	A	B	C	D	E
1	**Employee ID**				
2	AA4506				
3	BV9002				
4	GH3484				
5	FH3400				
6	AA2003				
7	AB3044				
8	AC9003				
9	DV4599				
10	AR3040				
11					
12					
13					
14					
15					
16					

Our objective is to populate Column B with the cleaned employee IDs, omitting the first two leading characters from each entry in Column A. This requires us to apply the dynamic trimming formula to the first entry and then propagate it down the entire column. We begin by selecting cell **B2**, where our first result will be displayed. This setup ensures that the original data remains untouched while the transformed data is generated in an adjacent column.

We input the formula directly into cell **B2**. Since the corresponding data we are cleaning is in cell **A2**, the reference must point to that specific Excel cell:

=RIGHT(A2,LEN(A2)-2)

Once the formula is entered and confirmed in **B2**, we can utilize Excel's autofill feature. By clicking and dragging the fill handle (the small square at the bottom-right corner of cell **B2**) down to the last row of data in Column A, the formula automatically adjusts its cell reference (from A2 to A3, A4, and so on), applying the character removal logic consistently to every employee ID in the list.



	A	B	C	D
1	**Employee ID**	**First 2 Digits Removed**		
2	AA4506	4506		
3	BV9002	9002		
4	GH3484	3484		
5	FH3400	3400		
6	AA2003	2003		
7	AB3044	3044		
8	AC9003	9003		
9	DV4599	4599		
10	AR3040	3040		
11				
12				
13				
14				

As demonstrated in the resulting image, Column B now accurately displays the employee IDs from Column A, successfully stripped of their leading two characters. This process highlights the efficiency of using nested functions to handle variable-length data transformation tasks.

Deep Dive: Understanding the RIGHT and LEN Functions

To leverage text manipulation in Excel effectively, it is essential to understand the core mechanics of the functions used. The success of the trimming operation relies entirely on the precise interaction between the **RIGHT function** and the **LEN function**.

The RIGHT function has the syntax `RIGHT(text, num_chars)`. The `text` argument specifies the source cell or string from which characters are to be extracted. The `num_chars` argument specifies the exact number of characters to be returned, counting from the right end of the text. Crucially, if `num_chars` is greater than the total length of the text, the entire text is returned; if it is zero, an empty string is returned.

Conversely, the LEN function, with the simple syntax `LEN(text)`, calculates the total character

count of a specified text string. This count includes all characters, such as letters, numbers, punctuation, and, critically, blank spaces. When we use `LEN(A2)-2`, we are dynamically generating the required `num_chars` argument for the **RIGHT function**. This nesting ensures that no matter if the original ID is 6 characters long or 10 characters long, the formula always removes precisely the first two characters by calculating the correct remaining length.

This dynamic calculation is what makes this formula superior to manual data manipulation or attempting to use less flexible functions. By utilizing the length derived from **LEN**, we achieve scalability and maintain data integrity across datasets with varying input lengths. Understanding these foundational functions is key to mastering advanced text manipulation within the Excel environment.

Addressing Edge Cases: Handling Leading Spaces and Errors

While the combination of **RIGHT** and **LEN** is highly effective, real-world data frequently contains inconsistencies that can cause unexpected results. The most common issue encountered when manipulating text data is the presence of extraneous blank spaces, particularly leading spaces that occur before the intended data entry.

It is vital to remember that the **LEN function** counts every character, including blank spaces. If cell **A2** contains " AA4506" (note the leading space), the length is 7, not 6. When we apply `LEN(A2)-2`, the calculation becomes 7 - 2 = 5. The RIGHT function extracts 5 characters, resulting in "A4506", which means the leading space and only the first character ('A') were removed, leaving an incorrect result. To preemptively handle this data contamination, we must clean the source string using the **TRIM function**.

The **TRIM function** removes all leading and trailing spaces from text, ensuring that only single spaces remain between words. By incorporating **TRIM** into our formula, we guarantee that the **LEN function** calculates the length of the clean data, and the **RIGHT function** operates on the correctly formatted data. The refined formula to account for potential leading spaces is:

=RIGHT(TRIM(A2), LEN(TRIM(A2))-2)

Furthermore, consider what happens if the source cell is completely empty or contains fewer than two characters. If cell **A2** is empty, **LEN(A2)** returns 0, and the formula attempts to calculate `RIGHT(A2, -2)`, which results in a **#VALUE!** error, as the `num_chars` argument cannot be negative. If your dataset contains entries shorter than the desired truncation length, you should implement an **IF function** wrapper to check the length first and return the original data or a blank string if the condition is not met, thereby preventing calculation errors and ensuring robust data handling.

Alternative Methods: Using MID or REPLACE for Truncation

While the **RIGHT/LEN** combination is the standard and most intuitive method for removing characters from the start of a string, Excel offers alternative functions that can achieve the same result. Understanding these alternatives provides flexibility, especially when dealing with more complex data manipulation requirements where character position or replacement is necessary.

One powerful alternative is the MID function. The **MID function** extracts characters from the middle of a text string, given a starting position and the number of characters to return. To remove the first two characters, we need to start extraction at the third character (position 3) and continue until the end of the string. We still need **LEN** to determine the total remaining length.

The **MID** equivalent formula for removing the first two characters is:

=MID(A2, 3, LEN(A2)-2)

In this syntax, **A2** is the text, **3** is the starting position (the third character), and **LEN(A2)-2** calculates how many characters to return from that starting point. This approach is equally valid and preferred by some analysts for its directness in specifying the starting point of the desired output. However, it still relies on the **LEN function** to handle variable lengths accurately.

Conclusion and Further Resources

The task of cleaning data by removing extraneous characters from the beginning of entries is a fundamental skill in spreadsheet management. By mastering the nested application of the **RIGHT function** and the **LEN function**, analysts can create dynamic, reliable, and scalable solutions that automatically adjust to input data of varying lengths. Furthermore, incorporating safety measures like the **TRIM function** ensures that hidden data issues, such as leading spaces, do not compromise the integrity of the transformation.

Whether you choose the **RIGHT/LEN** combination for its intuitive focus on the desired output length or the **MID/LEN** combination for its precise starting position control, the ability to manipulate text strings programmatically is invaluable. Continuous practice with these text functions will significantly enhance your productivity and data cleaning capabilities within the Excel environment.

The following tutorials explain how to perform other common operations in Excel: