

# How can I convert a string to an integer in VBA? Can you provide some examples?

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## RECOMMENDED CITATION

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Converting a string to an integer in VBA involves using the CInt function, which converts the string to a numeric value. This can be done by specifying the string inside the parentheses of the function. For example, CInt("123") will result in the integer value of 123. In cases where the string contains non-numeric characters, an error will occur. To avoid this, it is recommended to use the IsNumeric function to check if the string is a valid number before converting it. Additionally, the CInt function can also be used to convert a string representing a date or time into a numeric value. For instance, CInt("12/31/2020") will return the integer value of 44204. Overall, the CInt function is a useful tool for converting strings to integers in VBA, and its usage is dependent on the specific needs of the program.

## Convert String to Integer in VBA (With Examples)

You can use the CInt function in VBA to convert a text string to an integer.

Here are two common ways to use this function in practice:

### Method 1: Convert String to Integer in VBA

```
Sub ConvertStringToInteger()
```

```
Dim i As Integer
```

```
For i = 2 To 11
```

```
Range("B" & i) = CInt(Range("A" & i))
```

```
Next i
```

```
End Sub
```

**This particular macro will convert each string in the range A2:A11 to an integer and display the integers in the range B2:B11.**

**Method 2: Convert String to Integer in VBA (Only if String is a Number)**

```
Sub ConvertStringToInteger()
```

```
Dim i As Integer
```

```
For i = 2 To 11
```

```
If IsNumeric(Range("A" & i)) Then
```

```
Range("B" & i) = CInt(Range("A" & i))
```

```
Else
```

```
Range("B" & i) = 0
```

```
End IfNext i
```

```
End Sub
```

**This particular macro will convert each string in the range A2:A11 to an integer only if the string is a number. Otherwise, the string will be converted to a value of zero.**

**The following examples show how to use each method**

**in practice.**

### Example 1: Convert String to Integer in VBA

**Suppose we have the following column of values in Excel that are currently formatted as text strings:**

	A	B	C	D	E
1	<b>Values</b>				
2	20.2				
3	14.1				
4	9.7				
5	10.34				
6	12.99				
7	10.5				
8	12				
9	4.01				
10	5.68				
11	23				
12					
13					
14					
15					
16					

**Suppose we would like to convert each string to an integer and display the integers in column B.**

**We can create the following macro to do so:**

**Sub ConvertStringToInteger()**

## Dim i As Integer

For i = 2 To 11

Range("B" & i) = CInt(Range("A" & i))

Next i

End Sub

When we run this macro, we receive the following output:

	A	B	C	D	E	F
1	<b>Values</b>					
2	20.2	20				
3	14.1	14				
4	9.7	10				
5	10.34	10				
6	12.99	13				
7	10.5	10				
8	12	12				
9	4.01	4				
10	5.68	6				
11	23	23				
12						
13						
14						
15						
16						
17						

## Example 2: Convert String to Integer in VBA (Only if String is a Number)

Suppose we have the following column of values in Excel that are currently formatted as text strings:

	A	B	C	D	E	F
1	Values					
2	20.2					
3	14.1					
4	9.7					
5	10.34					
6	12.99					
7	10.5					
8	Twelve					
9	4.01					
10	5 Dollars					
11	Three					
12						
13						
14						
15						
16						
17						
18						

Suppose we would like to convert each string to an integer *only if the string is a number* and display the integers in column B.

We can create the following macro to do so:

## **Sub ConvertStringToInteger()**

**Dim i As Integer**

**For i = 2 To 11**

**If IsNumeric(Range("A" & i)) Then**

**Range("B" & i) = CInt(Range("A" & i))**

**Else**

**Range("B" & i) = 0**

**End IfNext i**

**End Sub**

**When we run this macro, we receive the following output:**

	A	B	C	D	E	F
1	<b>Values</b>					
2	20.2	20				
3	14.1	14				
4	9.7	10				
5	10.34	10				
6	12.99	13				
7	10.5	10				
8	Twelve	0				
9	4.01	4				
10	5 Dollars	0				
11	Three	0				
12						
13						
14						
15						
16						
17						

**Notice that only the text strings in column A that are numbers are converted to integers in column B.**

**Otherwise, the text strings are simply converted to a value of zero.**

**Note: You can find the complete documentation for the VBA Cint function .**