

How can I calculate the number of days between two dates using VBA?

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The process of calculating the number of days between two dates using VBA involves using built-in functions and operators to manipulate date values. The first step is to convert the given dates into a date data type using the CDate function. Then, the DateDiff function can be used to determine the difference between the two dates in terms of days. The result can then be displayed using a message box or stored in a variable for further use. This method is useful for automating date calculations in Microsoft Excel and other VBA-enabled applications.

VBA: Calculate Days Between Two Dates

You can use the following basic syntax in VBA to calculate the number of days between two dates:

```
Sub DaysBetweenDates()
```

```
Dim i As Integer
```

```
For i = 2 To 7
```

```
Range("C" & i) = DateDiff("D", Range("A" & i),  
Range("B" & i))
```

```
Next i
```

```
End Sub
```

This particular example will calculate the number of days between the dates in the corresponding cells in the ranges A2:A7 and B2:B7 and return the results in the range C2:C7.

Note that the "D" argument in the DateDiff function specifies that we would like to calculate the date difference in terms of days.

Refer to the for a complete list of units you can use for the date difference.

The following example shows how to use this syntax in practice.

Example: Calculate Days Between Dates in VBA

Suppose we have the following two columns with dates in Excel:

	A	B	C	D	E	F
1	Start Date	End Date				
2	1/1/2023	2/4/2023				
3	1/7/2023	5/29/2023				
4	1/4/2023	2/18/2023				
5	2/1/2023	2/19/2023				
6	2/3/2023	9/15/2023				
7	2/5/2023	10/30/2023				
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

Suppose we would like to calculate the number of dates between the start and end date in each row and output the results in column C.

We can create the following macro to do so:

Sub DaysBetweenDates()

Dim i As Integer

For i = 2 To 7

Range("C" & i) = DateDiff("D", Range("A" & i), Range("B" & i))

Next i

End Sub

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

	A	B	C	D	E
1	Start Date	End Date	Days Between Dates		
2	1/1/2023	2/4/2023	34		
3	1/7/2023	5/29/2023	142		
4	1/4/2023	2/18/2023	45		
5	2/1/2023	2/19/2023	18		
6	2/3/2023	9/15/2023	224		
7	2/5/2023	10/30/2023	267		
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

The number of dates between each start date and end date is shown in column C.