

How can I use VBA to find the first day of the month and provide an example?

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VBA, or Visual Basic for Applications, is a programming language used in Microsoft Excel to automate tasks and perform complex calculations. With VBA, you can easily find the first day of a month by using a built-in function called "DateSerial". This function allows you to specify a specific year, month, and day to generate a date. By inputting the desired month and year, along with a day of "1", the function will return the first day of that month. For example, if you want to find the first day of June 2021, you would use the following code: DateSerial(2021, 6, 1). This would return the date 06/01/2021, indicating the first day of June. By utilizing VBA and the DateSerial function, you can easily find the first day of any month and incorporate it into your Excel projects.

Find First Day of Month Using VBA (With Example)

You can use the DateSerial() function in VBA with a value of 1 for the day argument to find the first day of the month for a date in a particular cell.

For example, you can use the following syntax to find the first day of the month for the date in cell A1 and return this date in cell B1:

```
dateVal = DateValue(Range("A1"))
```

```
Range("B1").Value = DateSerial(Year(dateVal),  
Month(dateVal), 1)
```

For example, if cell A1 contains 1/5/2023 then cell B1 will return 1/1/2023.

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

Example: Use VBA to Find First Day of Month

Suppose we have the following dataset in Excel that contains information about sales made on various dates at some company:

	A	B	C	D	E
1	Date	Sales			
2	1/4/2023	14			
3	1/15/2023	19			
4	3/10/2023	33			
5	4/1/2023	48			
6	5/30/2023	35			
7	6/15/2023	20			
8	8/12/2023	25			
9	9/29/2023	24			
10	10/14/2023	19			
11	12/28/2023	16			
12					
13					
14					
15					
16					
17					

Suppose we would like to find the first day of the month for each date in column A and return the date in the corresponding cell in column C.

We can use the following syntax to do so:

Sub FirstDayOfMonth()

Dim i As Integer

For i = 2 To 11

dateVal = DateValue(Range("A" & i))

**Range("C" & i).Value = DateSerial(Year(dateVal),
Month(dateVal), 1)**

Next i

End Sub

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

	A	B	C	D	E
1	Date	Sales	First Day of Month		
2	1/4/2023	14	1/1/2023		
3	1/15/2023	19	1/1/2023		
4	3/10/2023	33	3/1/2023		
5	4/1/2023	48	4/1/2023		
6	5/30/2023	35	5/1/2023		
7	6/15/2023	20	6/1/2023		
8	8/12/2023	25	8/1/2023		
9	9/29/2023	24	9/1/2023		
10	10/14/2023	19	10/1/2023		
11	12/28/2023	16	12/1/2023		
12					
13					
14					
15					
16					
17					

Each of the dates in column C represent the first day of the month for the corresponding date in column A.

Note #1: In the code we used For i = 2 to 11 since cells A2 to A11 contained the dates we were interested in. Feel free to change this range depending on the cell range you'd like to use.

Note #2: You can find the complete documentation for the DateSerial() function in VBA .