

## Experiment (6).

Cleaning Data Containing Date and Time Values:  
use of DATE VALUE function, DATE ADD and  
DATED IF, TIME VALUE functions.

1. DATE VALUE function: Converts text to date format.  
 $=DATEVALUE("2023-01-01")$

Eg. 2. DATED IF function: calculates difference <sup>b/w</sup> two dates in  
days, months, or years.

Eg.  $=DATEDIF(A1, B1, "D")$   
calculates days <sup>b/w</sup> dates in A1 and B1).

3. TIME VALUE function:  
converts text to time format.

Eg.  $=TIMEVALUE("08:00:00")$

These functions help clean and manipulate  
date and time data, ensuring accuracy and  
consistency.



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DATED-IF AND DATE VALUE.

Dati	Month	Year	DOB	Today.
1. 28	01	1998	28/01/1998	14/9/2025
2. 01	03	1993	01/03/1993	14/9/2025
3.			= date(y, M, D)	= today()
4.			Select in table	

AGE.

Year	Month	Days
26	7	16
31	5	23

↓      ↓

= Datedif(DOB, Today, "MD")  
= Datedif(DOB, Today, "YM")

datedif(DOB, Today, "Y")

Date value

Date value	Date value code
28-01-1998	35823
01-03-1993	34049 → = Datevalue(Dativalue)

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= Date(DOB, "dd-mm-yyyy")  
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Time value.

hours	min	Sec	Time	Time format	Time value
9	0	0	9:00 AM	09:00:00	0.375
12	15	0	12:15 AM	12:15:00	0.510417

## FORMULAS.

## 1. Date of Birth.

 $=\text{date}(\text{Year}, \text{Month}, \text{Day})$ 

↳ Select year cell, month cell &amp; Day cell

## 2. Today.

 $=\text{Today}()$  entries

## 3. Year.

 $=\text{datedif}(\text{DOB}, \text{Today}, "y")$ 

↳ Select DOB cell, Today cell, type "y" entries

## 4. Month.

 $=\text{datedif}(\text{DOB}, \text{Today}, "ym")$ 

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## 5. Days.

= Dateif (DOB, Today, "md").

↳ (Select DOB cell, Today cell, type "md") enter.

## 6. Date value.

= Text (DOB, "dd-mm-yyyy")

↳ (Select DOB, type "dd-mm-yyyy")

## 7. Date value (code)

= Datevalue (Datevalue)

↳ (Select Datevalue cell)

## Calculate TIME VALUE.

## 1. Time

= TIME (hr, min, Sec)

↳ (Select hr cell, min cell, sec cell)

## 2 Time format

= TEXT (Time, "hh:mm:ss")

↳ (Select time cell, type hh:mm:ss)

## 3. Time value



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