

## TOP 50 EXCEL FORMULAE FOR DATA Enthusiasts BY ANKIT KUMAR

### 1. SUM

- Formula: =SUM(A1:A10)
- Description: Adds up all the numbers in a specified range.

### 2. AVERAGE

- Formula: =AVERAGE(A1:A10)
- Description: Calculates the average of numbers in a range.

### 3. IF

- Formula: =IF(A1>10, "Yes", "No")
- Description: Returns one value if a condition is true, and another value if it's false.

### 4. VLOOKUP

- Formula: =VLOOKUP(A1, B1:C10, 2, FALSE)  
VLOOKUP ek Excel function hai jo kisi list mein diya gaya data dhoondhne aur uske aage ka related data dikhane ke liye use hota hai.  
VLOOKUP Excel ka ek function hai jo ek column mein di gayi value ko doosre column ki corresponding value ke saath match karta hai.

	A	B	C	D	E	F
1	name	sex	age	height	weight	team
2	A Dijiang	M	24	180	80	China
3	A Lamusi	M	23	170	60	China
4	Christine Jacoba Aaftink	F	21	185	82	Netherlands
5	Per Knut Aaland	M	31	188	75	United States
6						
7						

### 5. HLOOKUP

- Formula: =HLOOKUP(A1, A1:D4, 2, FALSE)
- Description: Similar to VLOOKUP but searches horizontally.

### 7. MATCH

- Formula: =MATCH(A1, B1:B10, 0)

- Description: Returns the relative position of an item in a range.

Excel formula bar: `=MATCH(D6,B6:B14,0)`

	A	B	C	D	E	F	G	H
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

**MATCH function**  
 MATCH (lookup\_value, lookup\_array, match\_type)

Fruit		Lookup	Result
Apple	1	Peach	5
Pear	2		
Grape	3		
Lemon	4		
Peach	5		
Lime	6		
Kiwi	7		
Mango	8		
Pineapple	9		

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#### 8. CONCATENATE (or CONCAT)

- Formula: `=CONCATENATE(A1, " ", B1)`
- Description: Combines multiple values into one string.

Excel formula bar: `=CONCAT(C2,B2)`

	B	C	D	E	F
	sex	age	height	weight	age_sex
	M	24	180	80	24M
	M	23	170	60	23M
oba Aaftink	F	21	185	82	21F
and	M	31	188	75	31M

#### 9. COUNTIF

- Formula: `=COUNTIF(A1:A10, ">5")`
- Description: Counts the number of cells in a range that meet a single criterion.

Formula bar: `=COUNTIF(D5:D16, ">100")`

Name	State	Sales
Jim	WA	100
Yuki	IA	125
Jane	GA	200
Steve	CA	50
Jim	WY	75
Joan	WA	150
Jane	FL	200
Jim	WY	50
Steve	CA	225
Yuki	WI	175
Jim	NV	100
Jane	AL	75

Example	Result
Sales over 100	6
Sales by Jim	4
Sales in California	2

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#### 10. SUMIF

- Formula: `=SUMIF(A1:A10, ">5")`
- Description: Adds the cells in a range that meet a specified condition.

#### 11. COUNTIFS

- Formula: `=COUNTIFS(A1:A10, ">5", B1:B10, "<10")`
- Description: Counts the number of cells that meet multiple criteria.

Formula bar: `=COUNTIFS(C5:C16, "red", D5:D16, "TX")`

Date	Color	State	Qty	Total
9-Jan	Red	TX	1	\$18.00
23-Jan	Blue	CO	2	\$34.00
3-Feb	Red	NV	2	\$36.00
18-Feb	Blue	TX	1	\$17.00
2-Mar	Blue	AZ	3	\$51.00
15-Mar	Red	AZ	1	\$17.00
25-Mar	Red	TX	2	\$36.00
2-Apr	Red	CO	4	\$72.00
12-Apr	Blue	AZ	2	\$34.00
30-Apr	Red	TX	3	\$54.00
15-May	Blue	NV	2	\$34.00
1-Jun	Red	CO	2	\$36.00

Example	Result
Red	7
Red and TX	3
Red and > 20	5
Red and TX and > 20	2

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#### 12. SUMIFS

- Formula: `=SUMIFS(A1:A10, B1:B10, ">5")`
- Description: Adds the cells that meet multiple conditions.

16

### SUMIFS function

Date	Color	State	Qty	Total
9-Jan	Red	TX	1	\$18.00
23-Jan	Blue	CO	2	\$34.00
3-Feb	Red	NM	2	\$36.00
18-Feb	Blue	TX	1	\$17.00
2-Mar	Blue	AZ	3	\$51.00
15-Mar	Red	AZ	1	\$17.00
25-Mar	Red	NV	2	\$34.00
3-Apr	Blue	AZ	1	\$17.00
11-Apr	Red	TX	2	\$34.00
30-Apr	Blue	CO	1	\$17.00
1-May	Red	TX	2	\$36.00

Criteria	Result
Red	\$175.00
Red and TX	\$88.00

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### 13. LEFT

- Formula: =LEFT(A1, 3)
- Description: Returns a specified number of characters from the start of a text string.

D5				
	A	B	C	D
1				
2				
3				
4				
5				
6				
7				

### LEFT Function

Text given	Formula	Result
84111-10001	=LEFT(A5,5)	84111
91-98123-45632	=LEFT(B6,2)	91
Original Text	=LEFT(B7,5)	Origi

### 14. RIGHT

- Formula: =RIGHT(A1, 3)
- Description: Returns a specified number of characters from the end of a text string.

D2				
	A	B	C	D
1	name	first name	middel name	last name
2	Christine Jacoba Aaftink	Christine	Jacoba	Aaftink
3	Per Knut Aaland			

### 15. LEN

- Formula: =LEN(A1)
- Description: Returns the number of characters in a text string.

### 16. TRIM

- Formula: =TRIM(A1)
- Description: Removes all extra spaces from text except for single spaces between words.

B4

:

✖

✓

*fx*

=TRIM(A4)

	A	B
1	name	clean name
2	A Dijiang	A Dijiang
3	A Lamusi	A Lamusi
4	Christine Jacoba Aaftink	Christine Jacoba Aaftink
5	Per Knut Aaland	Per Knut Aaland

#### 17. TEXT

- Formula: =TEXT(A1, "dd/mm/yyyy")
- Description: Formats a number or date into a text string with a specified format.

#### 18. PROPER

- Formula: =PROPER(A1)
- Description: Capitalizes the first letter of each word in a text string.

A8

:

✕

✓

*fx*

=PROPER(A1:F1)

	A	B	C	D	E	F
1	name	sex	age	height	weight	age_sex
2	A Dijiang	M	24	180	80	24M
3	A Lamusi	M	23	170	60	23M
4	Christine Jacoba Aaftink	F	21	185	82	21F
5	Per Knut Aaland	M	31	188	75	31M
6	NAME	SEX	AGE	HEIGHT	WEIGHT	AGE_SEX
7	name	sex	age	height	weight	age_sex
8	Name	Sex	Age	Height	Weight	Age_Sex
9						

#### 19. NOW

- Formula: =NOW()
- Description: Returns the current date and time.

A1		⌵	⋮	✕ ✓ <i>f<sub>x</sub></i>	=NOW()
	A				
1	02/09/2022 22:20				

B2 <span>✕</span> <span>✓</span> <span><i>f<sub>x</sub></i></span> =SECOND(NOW())		
	A	B
1	Time	02/09/2022 22:28
2	Seconds	2
3	Minutes	28
4	Hours	22

B1 <span>✕</span> <span>✓</span> <span><i>f<sub>x</sub></i></span> =TODAY()		
	A	B
1	Today	02/09/2022 0:00

B2 <span>✕</span> <span>✓</span> <span><i>f<sub>x</sub></i></span> =DAY(TODAY())		
	A	B
1	Today	02/09/2022 0:00
2	Day	2
3	Month	9
4	Year	2022

## 20. RANK

- Formula: =RANK(A1, A1:A10)
- Description: Returns the rank of a number in a list of numbers.

E5										
	A	B	C	D	E	F	G	H	I	J
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

## RANK function

City	State	Population	Rank
Houston	TX	2,100,263	4
Phoenix	AZ	1,445,632	6
New York	NY	8,175,133	1
Philadelphia	PE	1,526,006	5
Los Angeles	CA	3,792,621	2
San Antonio	TX	1,327,407	7
San Diego	CA	1,307,402	8
Chicago	IL	2,695,598	3

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## 21 textsplit

Excel mein, `TEXTSPLIT` function kisi text ko alag-alag parts mein tod ke alag cells mein daalne ke kaam aata hai, jaise agar words ko comma ya space se alag karna ho.

D5										
	A	B	C	D	E	F	G	H		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

## TEXTSPLIT function

Text
Jim,Brown,33,Seattle,WA
Aya,Shizuoka,27,Portland,OR
Janice,Drexel,41,Alta,WY
Steve,Malloy,37,Moab,UT
Timothy,Sanders,50,Austin,TX
Jordan,Smith,31,St. Paul,MN
Jason,Chang,40,Atlanta,GA
Emily,Harris,38,Denver,CO
Yuki,Nomura,35,Boise,ID
Kelly,Grady,29,El Paso,TX
Walter,Brown,55,Santa Fe,NM

First	Last	Age	City	State
Jim	Brown	33	Seattle	WA
Aya	Shizuoka	27	Portland	OR
Janice	Drexel	41	Alta	WY
Steve	Malloy	37	Moab	UT
Timothy	Sanders	50	Austin	TX
Jordan	Smith	31	St. Paul	MN
Jason	Chang	40	Atlanta	GA
Emily	Harris	38	Denver	CO
Yuki	Nomura	35	Boise	ID
Kelly	Grady	29	El Paso	TX
Walter	Brown	55	Santa Fe	NM

## 22. EXACT

D6       =EXACT(B6,C6)

	A	B	C	D	E	F	G
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

**EXACT function**  
EXACT (text1, text2)

Text 1	Text 2	Result
Apple	Apple	TRUE
Apple	apple	FALSE
ABC123	ABC123	TRUE
123	123	TRUE
A stitch in time	A stitch in time	TRUE
A stitch in time	A stitch in Time	FALSE

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## 23. SUM PRODUCT

I5       =SUMPRODUCT(--(C5:C14="red"),F5:F14)

	A	B	C	D	E	F	G	H	I	J
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

**SUMPRODUCT function**

State	Color	Quantity	Price	Total
TX	Red	10	\$15.00	\$150.00
UT	Blue	6	\$18.00	\$108.00
CO	Red	14	\$15.00	\$210.00
NV	Green	9	\$16.00	\$144.00
TX	Blue	11	\$18.00	\$198.00
CO	Blue	10	\$18.00	\$180.00
TX	Red	8	\$15.00	\$120.00
UT	Green	9	\$16.00	\$144.00
NV	Blue	11	\$18.00	\$198.00
CO	Green	10	\$16.00	\$160.00

Filter	Total
Red	\$480.00
TX and Red	\$270.00
CO and Blue	\$180.00

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## 24. SUBSTITUTE



C6       =SUBSTITUTE(B6,"t","b")

	A	B	C	D	E
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

**SUBSTITUTE function**  
 SUBSTITUTE (text, old\_text,new\_text, [instance\_num])

Input	Output	Formula	Notes
tuttle	bubble	=SUBSTITUTE(B6,"t","b")	All instances replaced
tuttle	buttle	=SUBSTITUTE(B7,"t","b",1)	First instance only replaced
Cat, cat	Cat, dog	=SUBSTITUTE(B8,"cat","dog")	Substitute IS case sensitive
##cash##	cash	=SUBSTITUTE(B9,"#","")	Replace with nothing

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## 25. IF ERROR

E5       =IFERROR(C5/D5,0)

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											

**IFERROR function**

Order #	Total	Qty	Avg price
1103	\$300.00	62	\$4.84
1104	\$14.00	0	\$0.00
1105	\$200.00	11	\$18.18
1106	\$120.00	7	\$17.14
1107	\$475.00	20	\$23.75
1108	\$360.00	30	\$12.00
1109	\$275.00	25	\$11.00
1110	\$400.00		\$0.00
1111	\$500.00	25	\$20.00
1112	\$600.00	50	\$12.00
1113	\$100.00	12	\$8.33

// avoid #DIV/0!

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## 26. XLOOKUP

G4       =XLOOKUP(F4,B4:B12,D4:D12)

	A	B	C	D	E	F	G	H	I
1									
2									
3		Planet	Satellites	Diameter (km)		Planet	Diameter		
4		Mercury	0	4,879		Mars	6,792	← result	
5		Venus	0	12,104					
6		Earth	1	12,756					
7		Mars	2	6,792					
8		Jupiter	67	142,984					
9		Saturn	200	120,536					
10		Uranus	27	51,118					
11		Neptune	13	49,528					
12		Pluto	5	2,306					
13									
14		lookup		return					
15		array		array					
16									

↑  
lookup  
value

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## 27. COUNTA()

E6       =COUNTA(B5:B15)

	A	B	C	D	E	F	G	H	I	J
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										

**COUNTA function**

	Value	Count
1	puppy	
2	apple	9
3	100	
4		
5	30%	
6		
7	0.5	
8	28-Oct-2022	
9	8:30 AM	
10	#N/A	
11	00120	

// empty cell ignored

// empty cell ignored

// error included

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## 28. INDEX()

COUNTIF											:	✕ ✓ <i>fx</i>			=INDEX(E3:E9,5)				
	A	B	C	D	E	F	G	H	I	J									
1																			
2		ID	First Name	Last Name	Salary		ID												
3		72	Emily	Smith	\$64,901		Salary	\$58,339											
4		66	James	Anderson	\$70,855														
5		14	Mia	Clark	\$188,657														
6		30	John	Lewis	\$97,566														
7		53	Jessica	Walker	\$58,339														
8		56	Mark	Reed	\$125,180														
9		79	Richard	Lopez	\$91,632														
10																			

## 29. MID()

D5    :    X    ✓    fx    =FORMULATEXT(C5)									
	A	B	C	D	E	F	G	H	I
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									

### MID function

Value	Result	Formula
ABC	A	=MID(B5,1,1)
ABC	AB	=MID(B6,1,2)
ABC	ABC	=MID(B7,1,3)
The cat in the hat	cat	=MID(B8,5,3)
The cat in the hat	hat	=MID(B9,16,3)
Las Vegas, NV 88901	Las Vegas	=MID(B10,1,9)
Las Vegas, NV 88901	NV	=MID(B11,12,2)
Las Vegas, NV 88901	88901	=MID(B12,15,5)
303-512-4271	303	=MID(B13,1,3)
303-512-4271	512	=MID(B14,5,3)
303-512-4271	4271	=MID(B15,9,4)
https://exceljet.net	exceljet.net	=MID(B16,9,100)

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## 30. PMT(B4/12, B3,-B2)

File Home Insert Draw Page Layout Formulas Data Review

Undo Paste Cut Copy Format Painter Clipboard Font

B6  $\times$   $\checkmark$   $f_x$  **=PMT(B4/12,B3,-B2)**

	A	B
1	<b>Automobile</b>	<b>Amounts</b>
2	Loan Amt	38,000
3	Months	60
4	Int Rate	4.25%
5		
6	<b>Payment (PMT Function)</b>	<b>\$704.12</b>
7		

### 31. Textjoin

F5  $\times$   $\checkmark$   $f_x$  **=TEXTJOIN(",",TRUE,B5:E5)**

	A	B	C	D	E	F	G	H
1								
2		<b>TEXTJOIN function</b>						
3								
4		Value 1	Value 2	Value 3	Value 4	Result		
5		1	2	3	4	1, 2, 3, 4		
6		One	Two	Three	Four	One, Two, Three, Four		
7		limes	figs	pears	plums	limes, figs, pears, plums		
8		limes		pears		limes, pears		
9			mangos			mangos		
10		10%	15%	20%	25%	0.1, 0.15, 0.2, 0.25		
11		1-Jul-21	2-Jul-21	3-Jul-21	4-Jul-21	44378, 44379, 44380, 44381		
12		\$29.95	\$49.50	\$9.95	\$75.00	29.95, 49.5, 9.95, 75		
13								
14								
15								
16								

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### 32. Upper

C5							
	A	B	C	D	E	F	G
1							
2		<b>UPPER function</b>					
3							
4		Input	Output				
5		Apple	APPLE				
6		APPLE	APPLE				
7		Ben Franklin	BEN FRANKLIN				
8		apples, pears	APPLES, PEARS				
9		xyz-001	XYZ-001				
10		def-202-yyt	DEF-202-YYT				
11		12345	12345				// number unaffected
12		\$1,000.00	1000				// number formatting lost
13		25-Jun-21	44372				// date formatting lost
14							
15							
16							

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### 33. Lower

C5							
	A	B	C	D	E	F	G
1							
2		<b>LOWER function</b>					
3							
4		Input	Output				
5		Apple	apple				
6		APPLE	apple				
7		Ben Franklin	ben franklin				
8		Apples, Pears	apples, pears				
9		XYZ-001	xyz-001				
10		DEF-202-YYT	def-202-yyt				
11		12345	12345				// number unaffected
12		\$1,000.00	1000				// number formatting lost
13		25-Jun-21	44372				// date formatting lost
14							
15							
16							

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### 34. Proper

C5							
	A	B	C	D	E	F	G
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

**PROPER function**

Input	Output
apple	Apple
APPLE	Apple
ben franklin	Ben Franklin
apples, PEARS	Apples, Pears
def-202-yyt	Def-202-Yyt
to be or not to be	To Be Or Not To Be
12345	12345
\$1,000.00	1000
25-Jun-21	44372

// all words capitalized  
 // number unaffected  
 // number formatting lost  
 // date formatting lost

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### 35. Round/

D5							
	A	B	C	D	E	F	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

**ROUND function**

Number	Digits	Result
5.7845	1	5.8
5.7845	2	5.78
5.7845	3	5.785
23542.5	0	23543
23542.5	-1	23540
23542.5	-2	23500
23542.5	-3	24000
23542.5	-4	20000

// round to 1 decimal place  
 // round to 2 decimal places  
 // round to 3 decimal places  
 // round to nearest whole number  
 // round to nearest 10  
 // round to nearest 100  
 // round to nearest 1000  
 // round to nearest 10000

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### 36. Roundup

D5				=ROUNDUP(B5,C5)		
	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

ROUNDUP function		
Number	Digits	Result
5.1242	0	6
5.1242	1	5.2
5.1242	2	5.13
5.1242	3	5.125
5.1242	4	5.1242
23242.3	-1	23250
23242.3	-2	23300
23242.3	-3	24000
23242.3	-4	30000

Round up to nearest whole number
Round up to 1 decimal place
Round up to 2 decimal places
Round up to 3 decimal places
Round up to 4 decimal places
Round up to the nearest 10
Round up to the nearest 100
Round up to the nearest 1000
Round up to the nearest 10000

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### 37. Rounddown

D5				=ROUNDDOWN(B5,C5)		
	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

ROUNDDOWN function		
Number	Digits	Result
5.7899	0	5
5.7899	1	5.7
5.7899	2	5.78
5.7899	3	5.789
5.7899	4	5.7899
27842.5	-1	27840
27842.5	-2	27800
27842.5	-3	27000
27842.5	-4	20000

Round down to nearest whole number
Round down to 1 decimal place
Round down to 2 decimal places
Round down to 3 decimal places
Round down to 4 decimal places
Round down to the nearest 10
Round down to the nearest 100
Round down to the nearest 1000
Round down to the nearest 10000

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### 38. dateif

E5

⌵

:

✖

✓

fx

⌵

=DATEDIF(B5,C5,"y")

A

B

C

D

E

F

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

DATEDIF function

Start date	End date	Unit	Result	
1-Jan-2022	1-Mar-2024	y	2	// difference in complete years
1-Jan-2022	1-Mar-2024	m	26	// difference in complete months
1-Jan-2022	1-Mar-2024	d	790	// difference in days
1-Jan-2022	1-Mar-2024	md	0	// difference in days, ignoring months and years
1-Jan-2022	1-Mar-2024	ym	2	// difference in months, ignoring days and years
1-Jan-2022	1-Mar-2024	yd	59	// difference in days, ignoring years

EXCELJET

### DATEDIF function

Start date	End date	Unit	Result	
1-Jan-2022	1-Mar-2024	y	2	// difference in complete years
1-Jan-2022	1-Mar-2024	m	26	// difference in complete months
1-Jan-2022	1-Mar-2024	d	790	// difference in days
1-Jan-2022	1-Mar-2024	md	0	// difference in days, ignoring months and years
1-Jan-2022	1-Mar-2024	ym	2	// difference in months, ignoring days and years
1-Jan-2022	1-Mar-2024	yd	59	// difference in days, ignoring years

EXCELJET

C2	:	X	✓	fx	=DATEDIF(A2,B2,"d")
	A	B	C		
1	Order Date	Purchased Date	Date Diff		
2	02/04/2021	12/04/2021	10		
3	12/05/2021	14/06/2021	33		
4	05/09/2021	05/10/2021	30		

### 39. Now

B5

### NOW function

Result	Formula	
31-May-21 17:39	=NOW()	// current date and time
24-May-21 17:39	=NOW()-7	// last week same time
7-Jun-21 17:39	=NOW()+7	// next week same time
29-Aug-21 17:39	=NOW()+90	// 90 days from now
29-Aug-21 18:00	=MROUND(NOW()+90,"1:00")	// 90 days from now, rounded to nearest hour
31-Aug-21 0:00	=EDATE(NOW(),3)	// 3 months from now, time removed
31-May-22 0:00	=EDATE(NOW(),12)	// 12 months from now, time removed
1-May-21 0:00	=EOMONTH(NOW(),-1)+1	// first day of current month
1-Dec-21 17:39	=EDATE(NOW(),6)+MOD(NOW(),6)	// 6 months from now, time preserved

EXCELJET



#### 40. Today

B5							
	A	B	C	D	E	F	G
1							
2		<b>TODAY function</b>					
3							
4		<b>Result</b>	<b>Formula</b>				
5		31-May-21	=TODAY()			// current date	
6		24-May-21	=TODAY()-7			// one week in past	
7		7-Jun-21	=TODAY()+7			// one week in future	
8		29-Aug-21	=TODAY()+90			// 90 days from today	
9		31-Aug-21	=EDATE(TODAY(),3)			// 3 months from today	
10		31-May-22	=EDATE(TODAY(),12)			// 1 year from today	
11		31-May-20	=EDATE(TODAY(),-12)			// 1 year in the past	
12		1-May-21	=EOMONTH(TODAY(),-1)+1			// first day of current month	
13		31-May-21 18:00	=TODAY()+TIME(18,0,0)			// today at 6:00 PM	
14		1-Jun-21 12:00	=TODAY()+1+TIME(12,0,0)			// tomorrow at noon	
15							
16							
17							

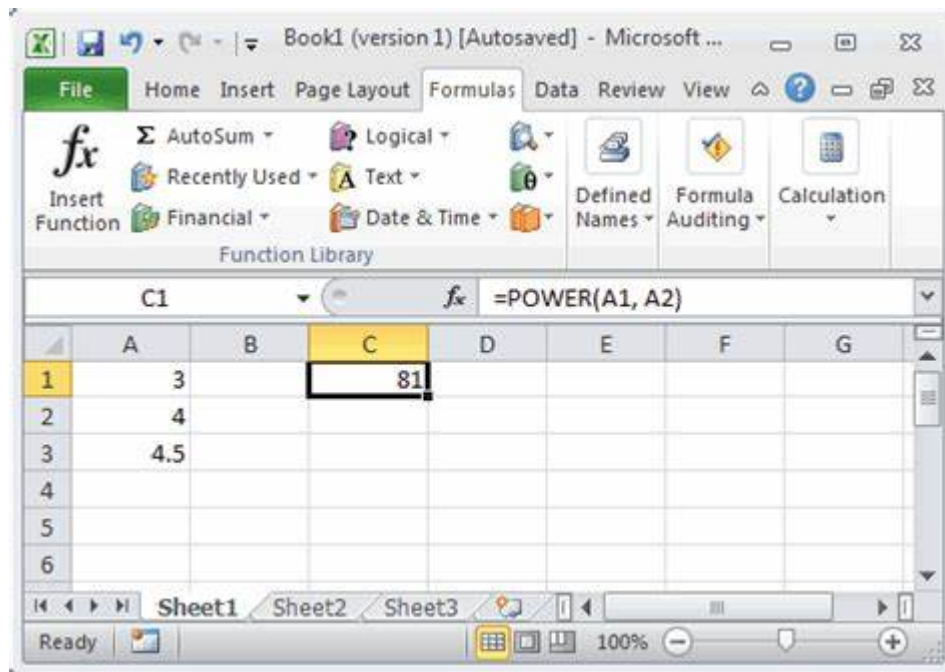
EXCELJET

#### 41. Ifs

D5									
	A	B	C	D	E	F	G	H	I
1									
2		<b>IFS function</b>							
3									
4		<b>Name</b>	<b>Score</b>	<b>Grade</b>		<b>Score</b>	<b>Grade</b>		
5		Hannah	91.0	A		0	F		
6		Edward	82.8	B		60	D		
7		Miranda	91.3	A		70	C		
8		William	76.0	C		80	B		
9		Joanna	71.2	C		90	A		
10		Collin	80.6	B					
11		Mallory	85.0	B					
12		Oscar	79.2	C					
13		Arturo	76.6	C					
14		Annie	78.4	C					
15		Weston	68.2	D					
16		Joshua	71.6	C					

EXCELJET

#### 42. Power



#### 43. CEILING

G2	=CEILING(F2,1)						
	A	B	C	D	E	F	G
1	name	sex	age	height	weight	power	ceiling
2	A Dijiang	M	24	180	80	3.24	4
3	A Lamusi	M	23	170	60	2.89	3
4	Christine Jacoba Aaftink	F	21	185	82	3.4225	4
5	Per Knut Aaland	M	31	188	75	3.5344	4

#### 44. Floor

=FLOOR(F2,1)							
	B	C	D	E	F	G	H
	sex	age	height	weight	power	ceiling	floor
	M	24	180	80	3.24	4	3
	M	23	170	60	2.89	3	2
nk	F	21	185	82	3.4225	4	3
	M	31	188	75	3.5344	4	3

#### 45. Replace

B2

⌵

:

✕

✓

*f*<sub>x</sub>

=REPLACE(A2,1,1,"B")

	A	B
1	name	new name
2	A Dijiang	B Dijiang
3	A Lamusi	B Lamusi
4	Christine Jacoba Aaftink	
5	Per Knut Aaland	

#### 46. Substitute

B4

⌵

:

✖

✔

*fx*

=SUBSTITUTE(A4,"Jacoba", "Rahim")

	A	B
1	name	new name
2	A Dijiang	B Dijiang
3	A Lamusi	B Lamusi
4	Christine Jacoba Aaftink	Christine Rahim Aaftink
5	Per Knut Aaland	Per Knut Aaland

D3

×

✓

f<sub>x</sub>

=CONCATENATE(\$B3," ",TEXT(\$C3,"0%"))

A	B	C	D	E	F	G	H
2	Employee Name	Score	Score Description		DESIRED OUTPUT		
3	Andy Richards	69%	Andy Richards 69%		Employee Name	Score	Score Description
4	Howard Simpson	79%	Howard Simpson 79%		Andy Richards	69%	Andy Richards 69%
5	Charles Davis	93%	Charles Davis 93%		Howard Simpson	79%	Howard Simpson 79%
6	Paul Goodman	86%	Paul Goodman 86%		Charles Davis	93%	Charles Davis 93%
7	Dan Armstrong	49%	Dan Armstrong 49%		Paul Goodman	86%	Paul Goodman 86%
8	Alfred Hawking	70%	Alfred Hawking 70%		Dan Armstrong	49%	Dan Armstrong 49%
9	Michael Hicks	93%	Michael Hicks 93%		Alfred Hawking	70%	Alfred Hawking 70%
10	Chuck West	38%	Chuck West 38%		Michael Hicks	93%	Michael Hicks 93%
11	John Jennings	64%	John Jennings 64%				
12	John Bradshaw	57%	John Bradshaw 57%				
13	Stephen Bell	46%	Stephen Bell 46%				
14	Frank Lee	74%	Frank Lee 74%				
15	Margaret Streep	82%	Margaret Streep 82%				
16	Jessica Sagan	50%	Jessica Sagan 50%				
17	Julia Putin	92%	Julia Putin 92%				
18	Anna Newhart	78%	Anna Newhart 78%				
19	Meryl Simpson	42%	Meryl Simpson 42%				
20	Marilyn Manning	70%	Marilyn Manning 70%				
21	Jane Anderson	60%	Jane Anderson 60%				
22	Lucille Ashe	92%	Lucille Ashe 92%				
23	Julie Spears	85%	Julie Spears 85%				
24	Elizabeth Diamond	74%	Elizabeth Diamond 74%				
25	Julia Carrey	77%	Julia Carrey 77%				
26	Gloria Silverstone	49%	Gloria Silverstone 49%				

