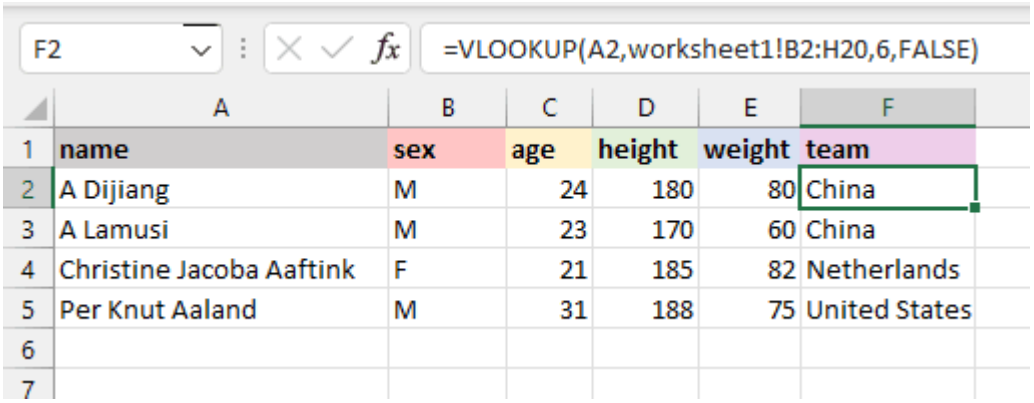
TOP 40 EXCEL FORMULAE FOR DATA Enthusiasts BY ANKIT KUMAR

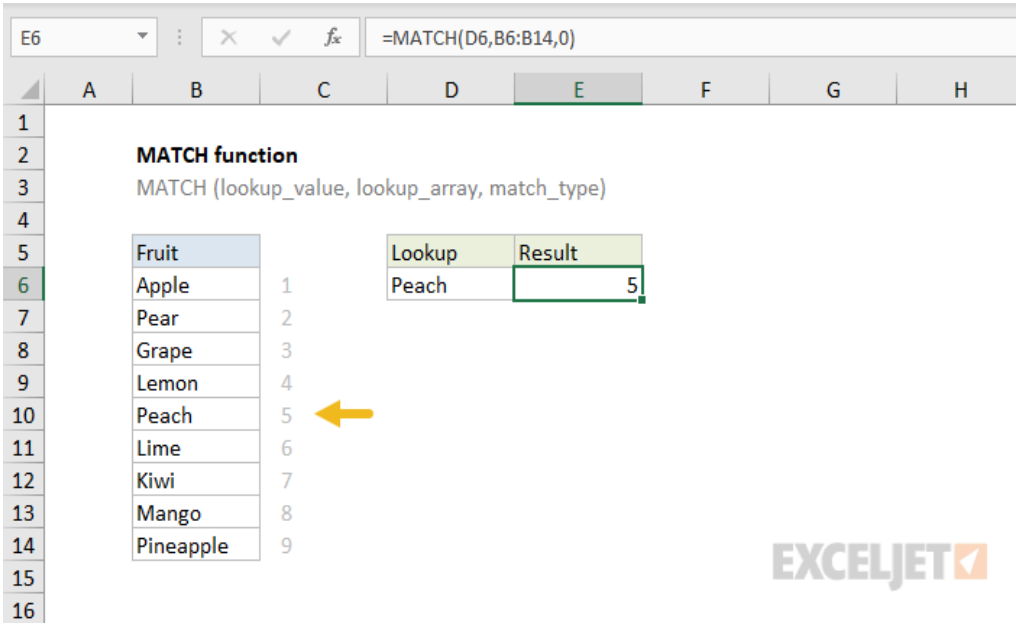
1. SUM
   - Formula: =SUM(A1:A10)
   - Description: Adds up all the numbers in a specified range.
2. AVERAGE
   - Formula: =AVERAGE(A1:A10)
   - Description: Calculates the average of numbers in a range.
3. IF
   - Formula: =IF(A1>10, "Yes", "No")
   - Description: Returns one value if a condition is 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.



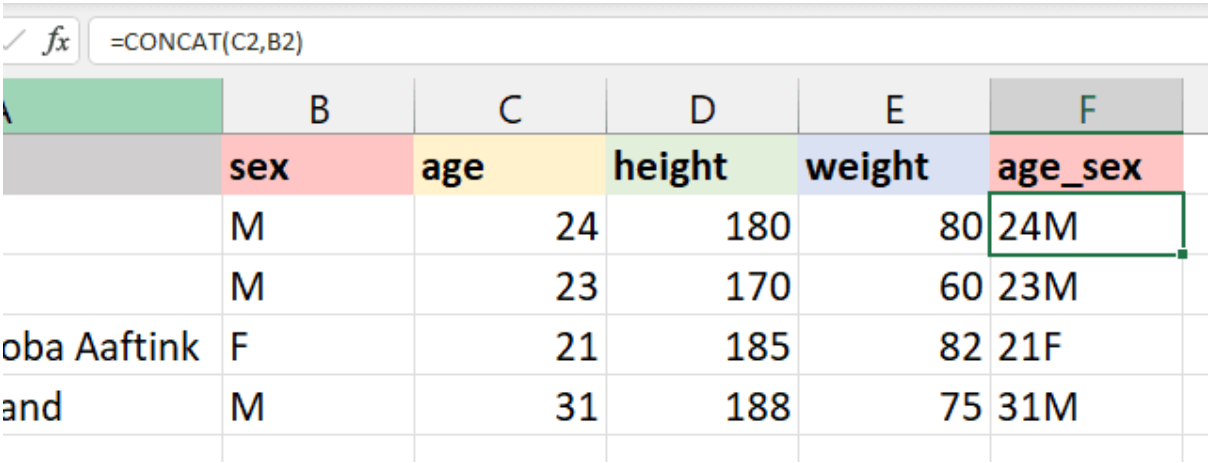
	A	B	C	D	E	F
1	name	sex	age	height	weight	team
2	A Dijiang	M	24	180	80	China
3	A Lamusi	M	23	170	60	China
4	Christine Jacoba Aaftink	F	21	185	82	Netherlands
5	Per Knut Aaland	M	31	188	75	United States
6						
7						

5. HLOOKUP
   - Formula: =HLOOKUP(A1, A1:D4, 2, FALSE)
   - Description: Similar to VLOOKUP but searches horizontally.
7. MATCH
   - Formula: =MATCH(A1, B1:B10, 0)

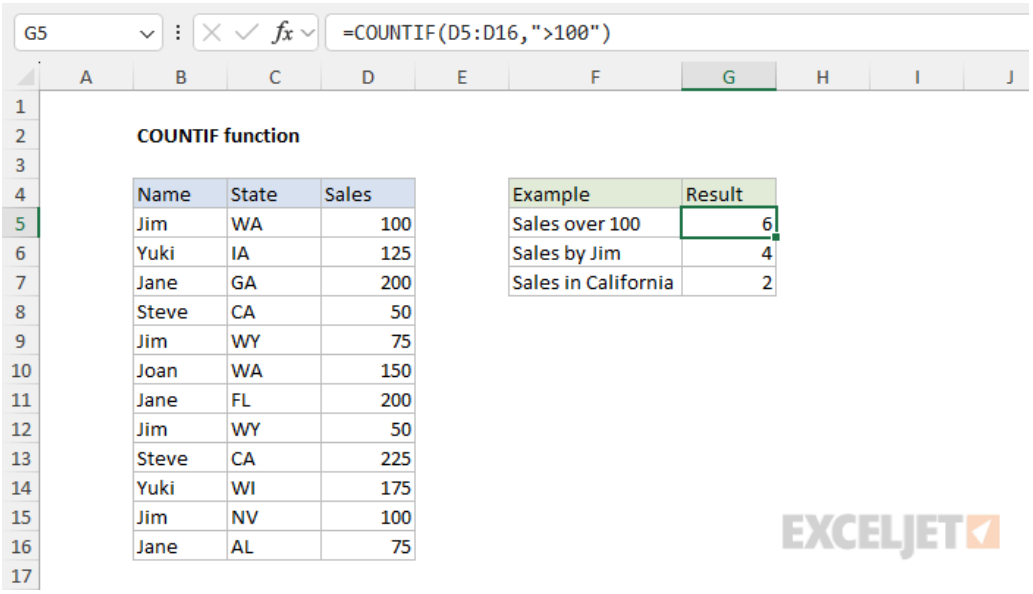
- Description: Returns the relative position of an item in a range.



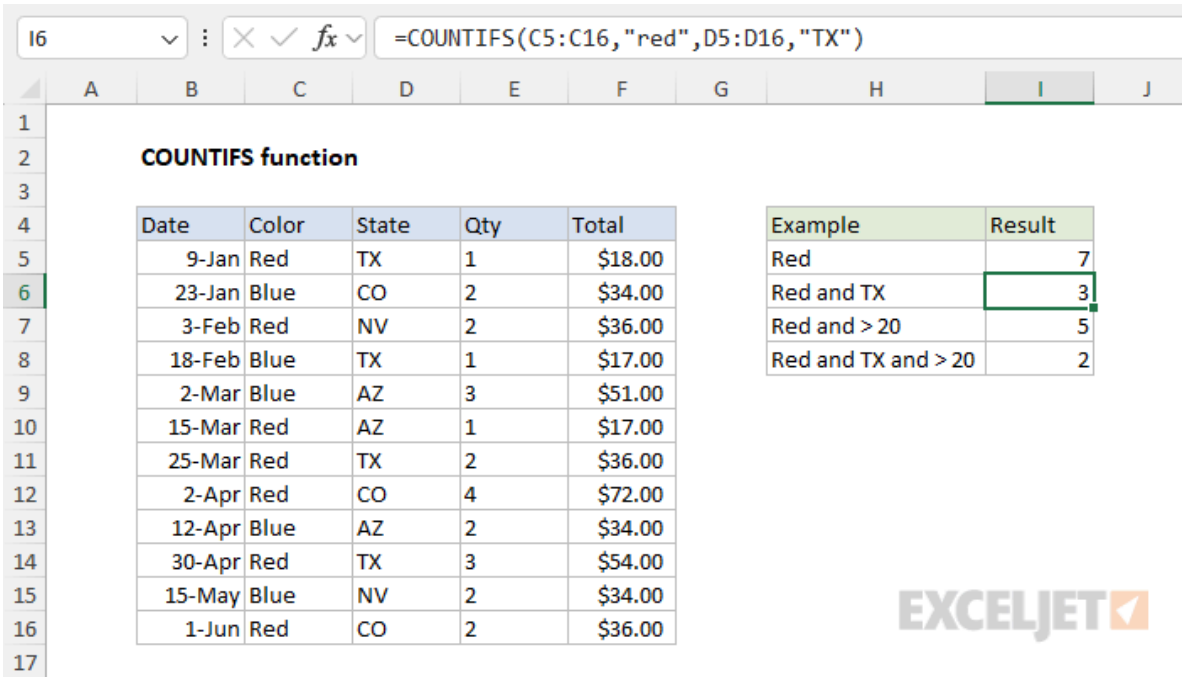
8. CONCATENATE (or CONCAT)
   - Formula: =CONCATENATE(A1, " ", B1)
   - Description: Combines multiple values into one string.



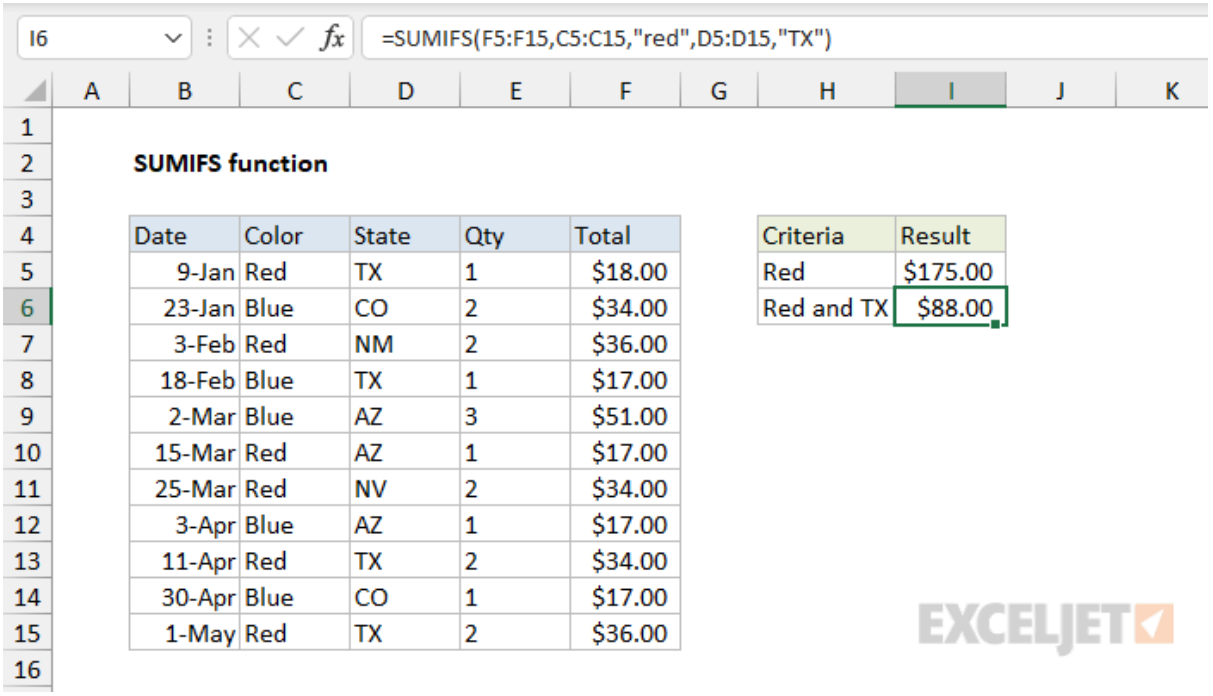
9. COUNTIF
   - Formula: =COUNTIF(A1:A10, ">5")
   - Description: Counts the number of cells in a range that meet a single criterion.



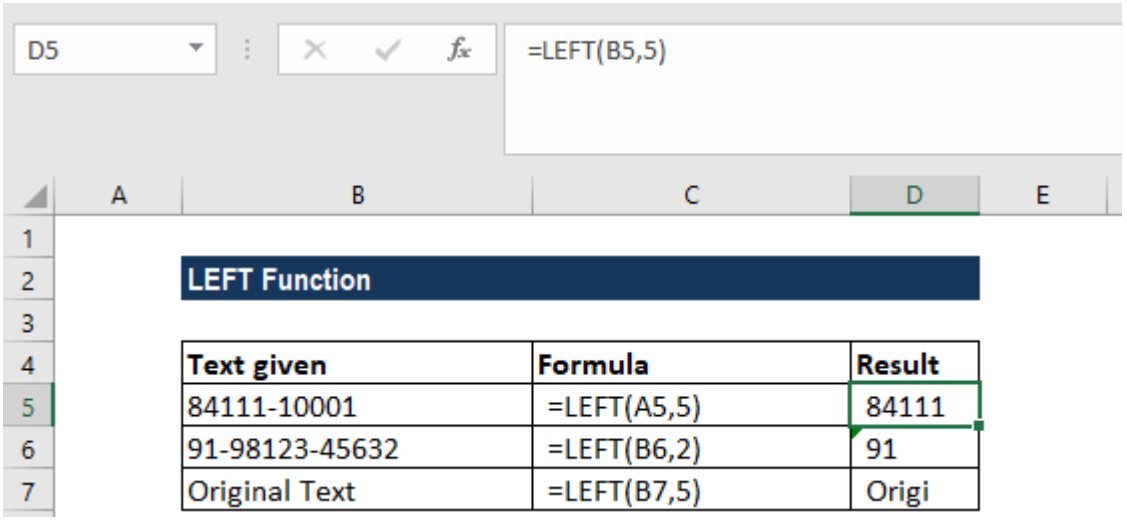
10. SUMIF
    - Formula: =SUMIF(A1:A10, ">5")
    - Description: Adds the cells in a range that meet a specified condition.
11. COUNTIFS
    - Formula: =COUNTIFS(A1:A10, ">5", B1:B10, "<10")
    - Description: Counts the number of cells that meet multiple criteria.



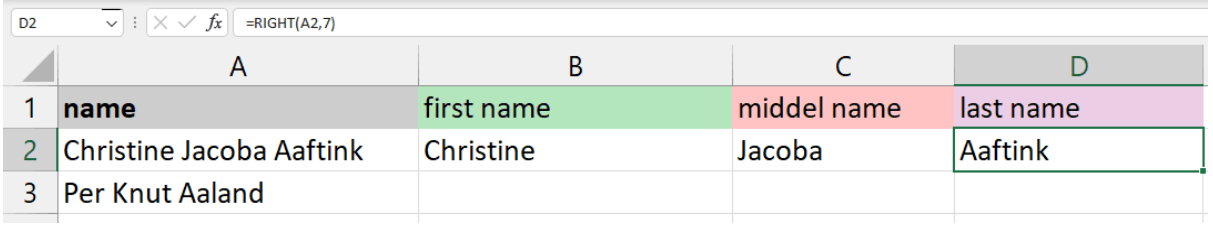
12. SUMIFS
    - Formula: =SUMIFS(A1:A10, B1:B10, ">5")
    - Description: Adds the cells that meet multiple conditions.



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

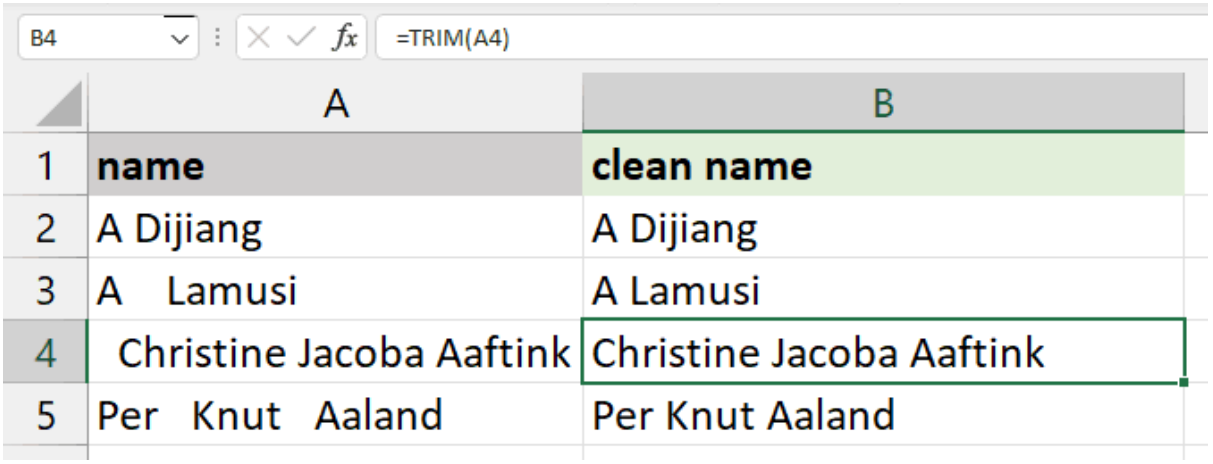


14. RIGHT
    - Formula: =RIGHT(A1, 3)
    - Description: Returns a specified number of characters from the end of a text string.



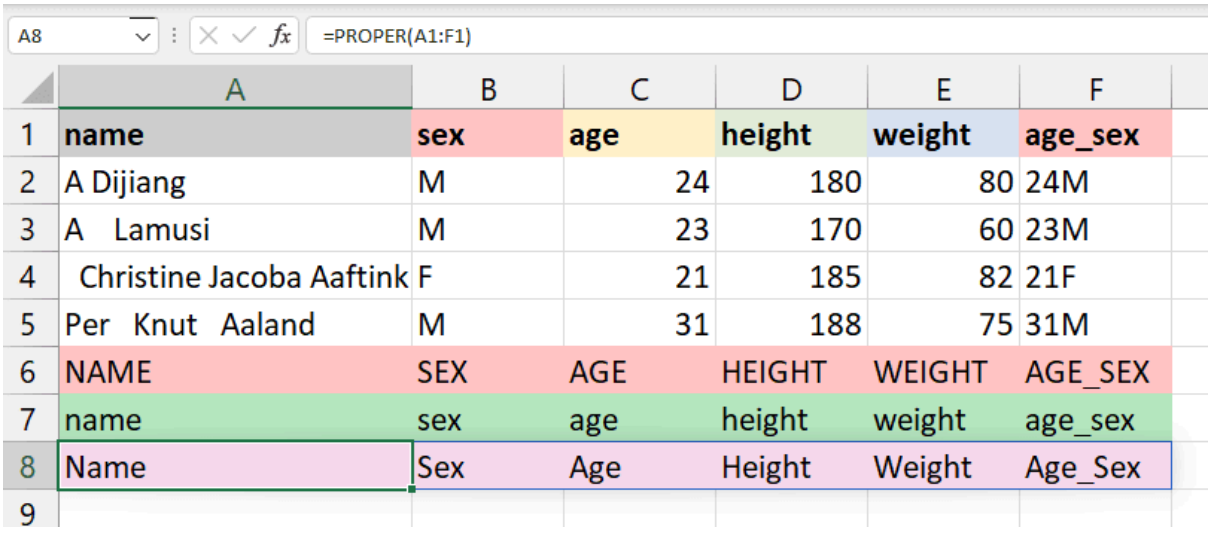
15. LEN
    - Formula: =LEN(A1)
    - Description: Returns the number of characters in a text string.
16. TRIM

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



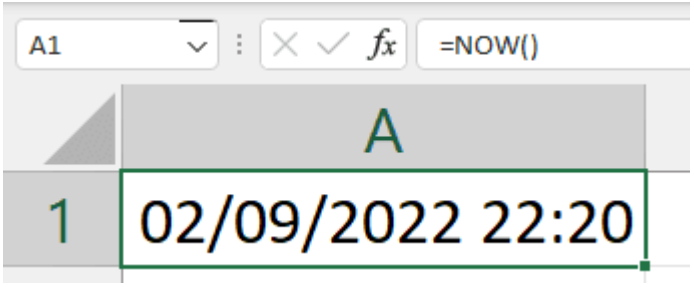
	A	B
1	**name**	**clean name**
2	A Dijiang	A Dijiang
3	A Lamusi	A Lamusi
4	Christine Jacoba Aaftink	Christine Jacoba Aaftink
5	Per Knut Aaland	Per Knut Aaland

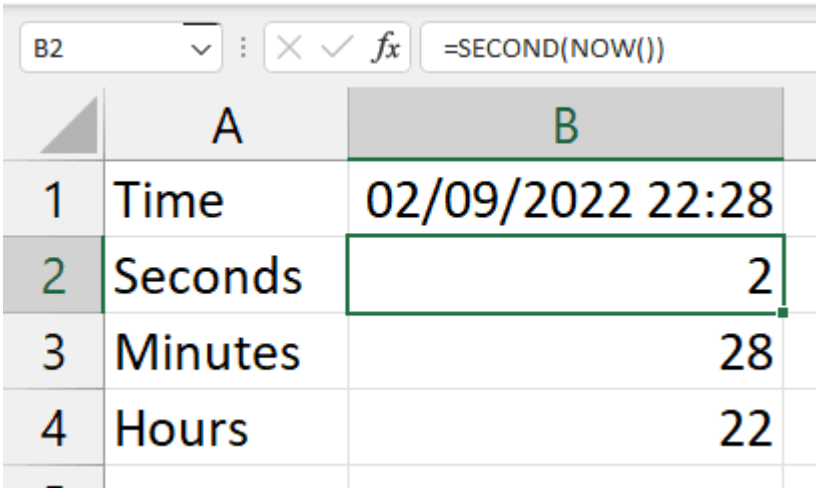
17. TEXT
    - Formula: =TEXT(A1, "dd/mm/yyyy")
    - Description: Formats a number or date into a text string with a specified format.
18. PROPER
    - Formula: =PROPER(A1)
    - Description: Capitalizes the first letter of each word in a text string.

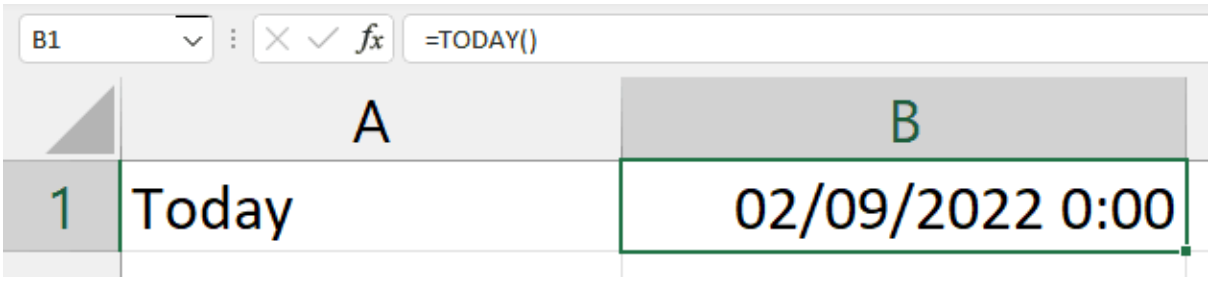


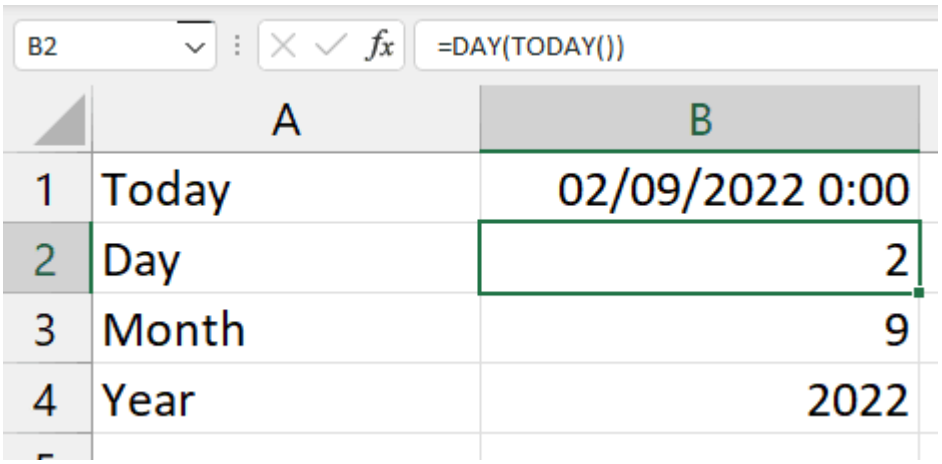
	A	B	C	D	E	F
1	**name**	**sex**	**age**	**height**	**weight**	**age_sex**
2	A Dijiang	M	24	180	80	24M
3	A Lamusi	M	23	170	60	23M
4	Christine Jacoba Aaftink	F	21	185	82	21F
5	Per Knut Aaland	M	31	188	75	31M
6	NAME	SEX	AGE	HEIGHT	WEIGHT	AGE_SEX
7	name	sex	age	height	weight	age_sex
8	Name	Sex	Age	Height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

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

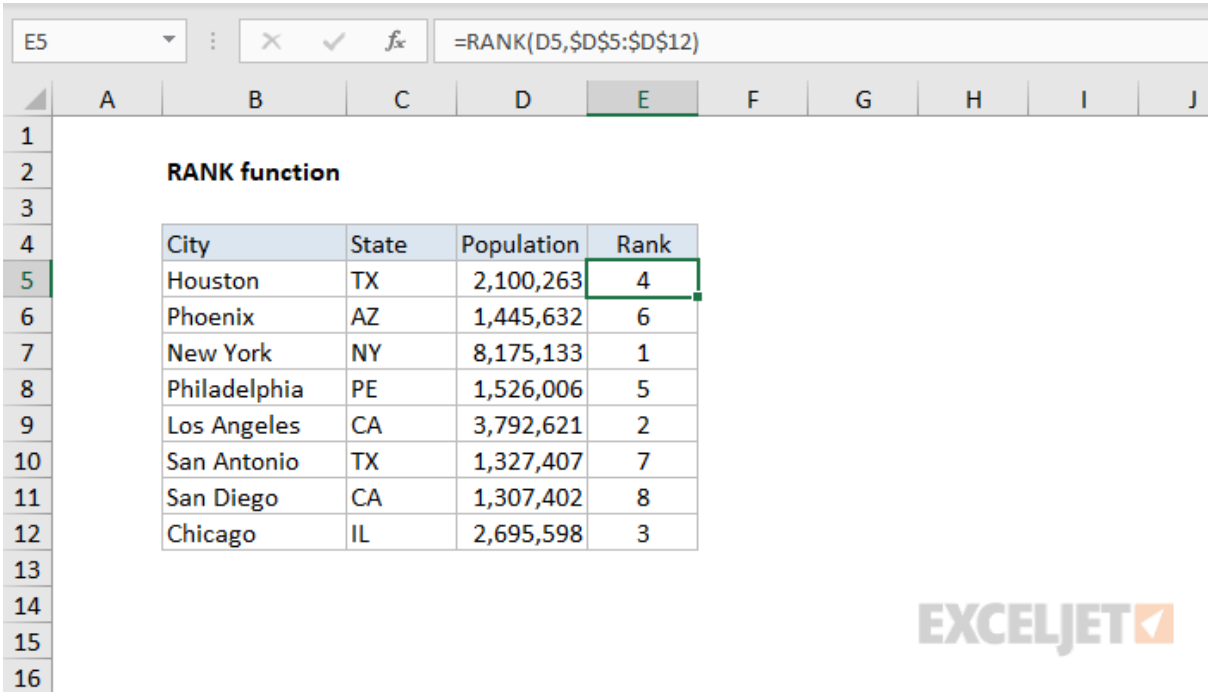






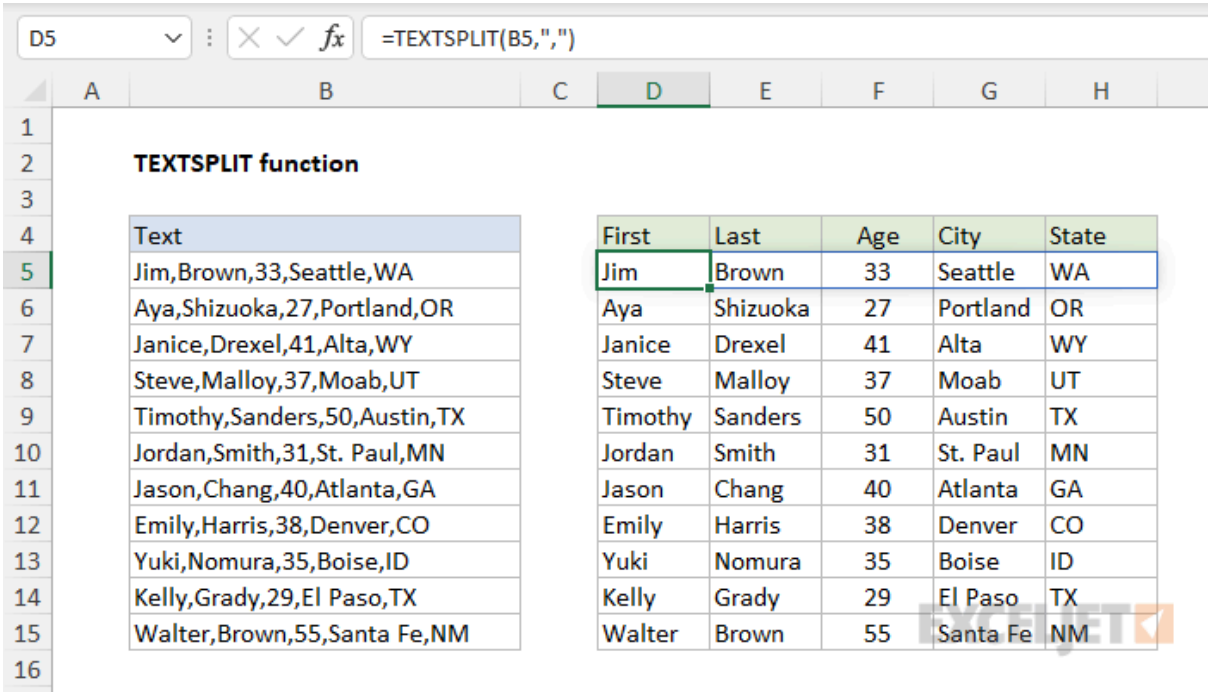


20. RANK
- Formula: =RANK(A1, A1:A10)
- Description: Returns the rank of a number in a list of numbers.

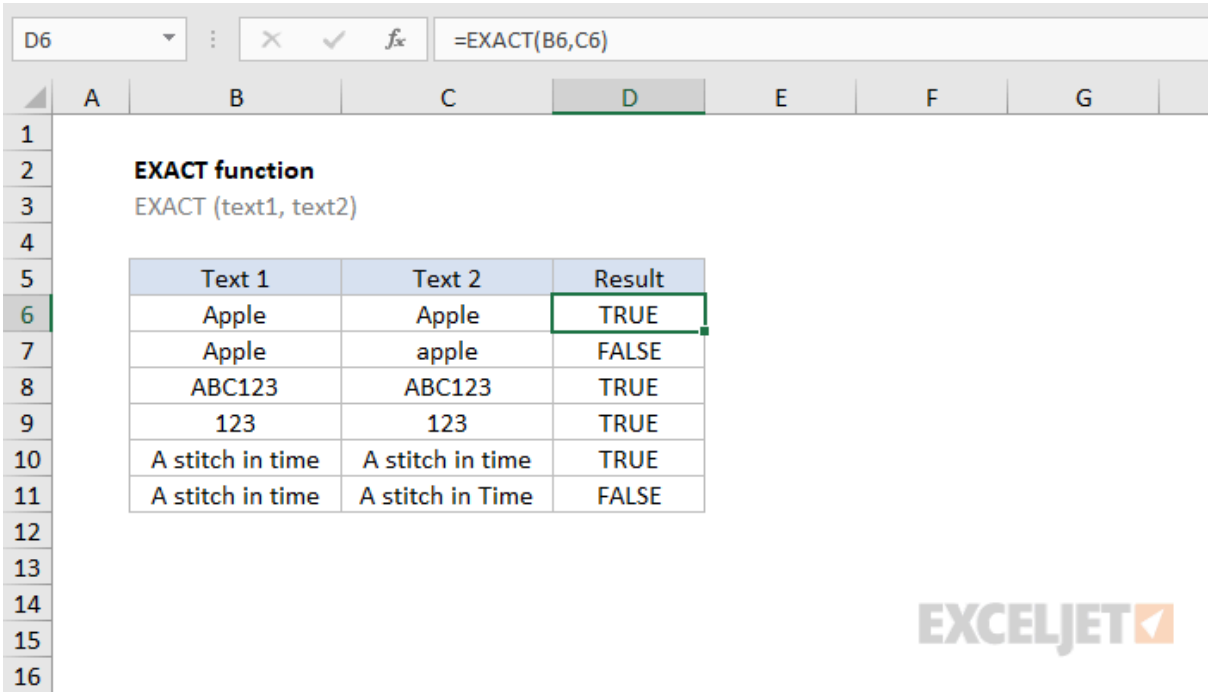


21 textsplit

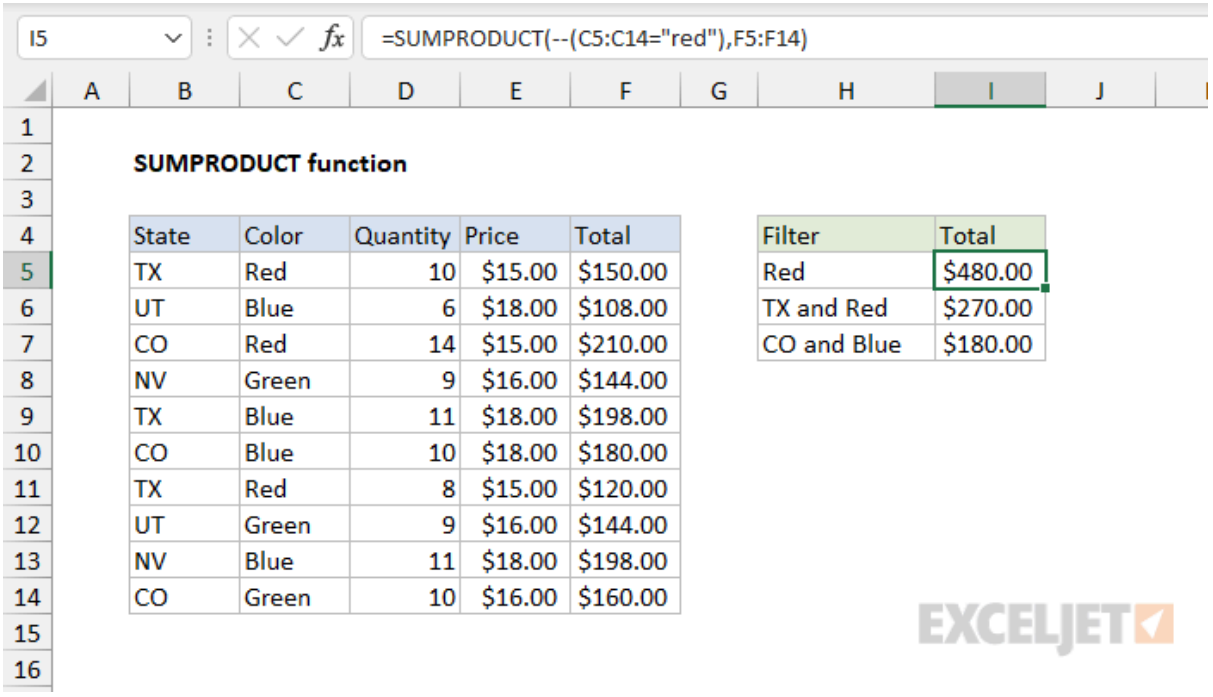
Excel mein, `TEXTSPLIT` function kisi text ko alag-alag parts mein tod ke alag cells mein daalne ke kaam aata hai, jaise agar words ko comma ya space se alag karna ho.



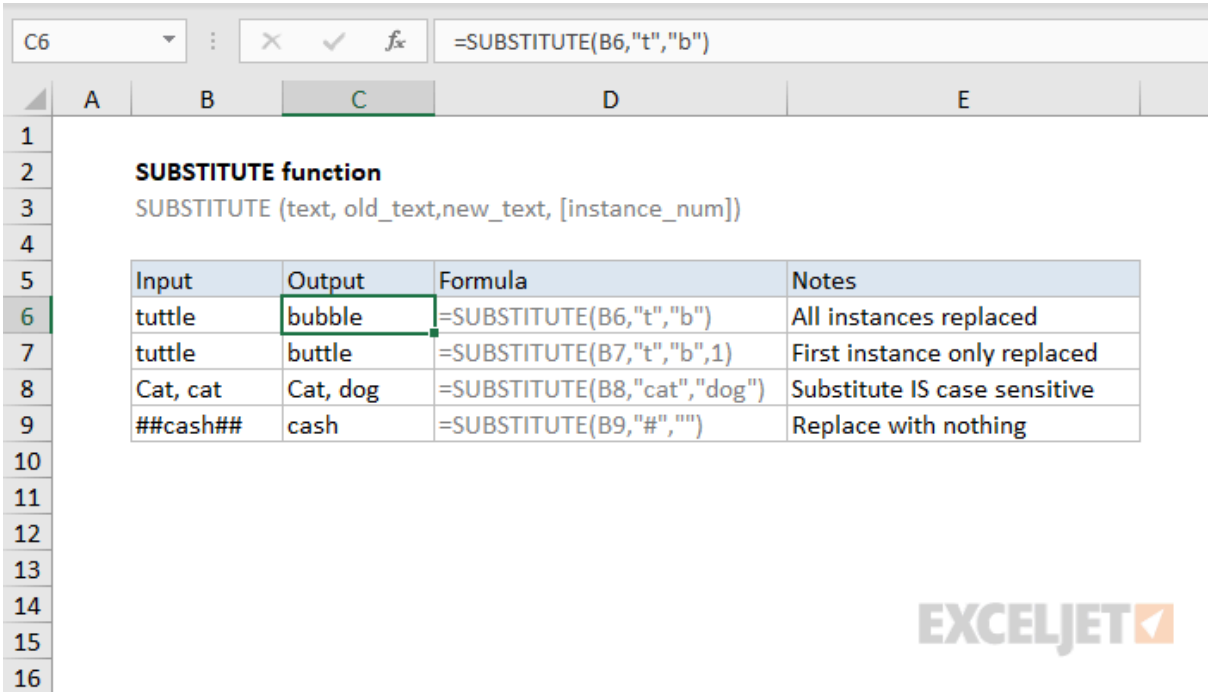
22. EXACT



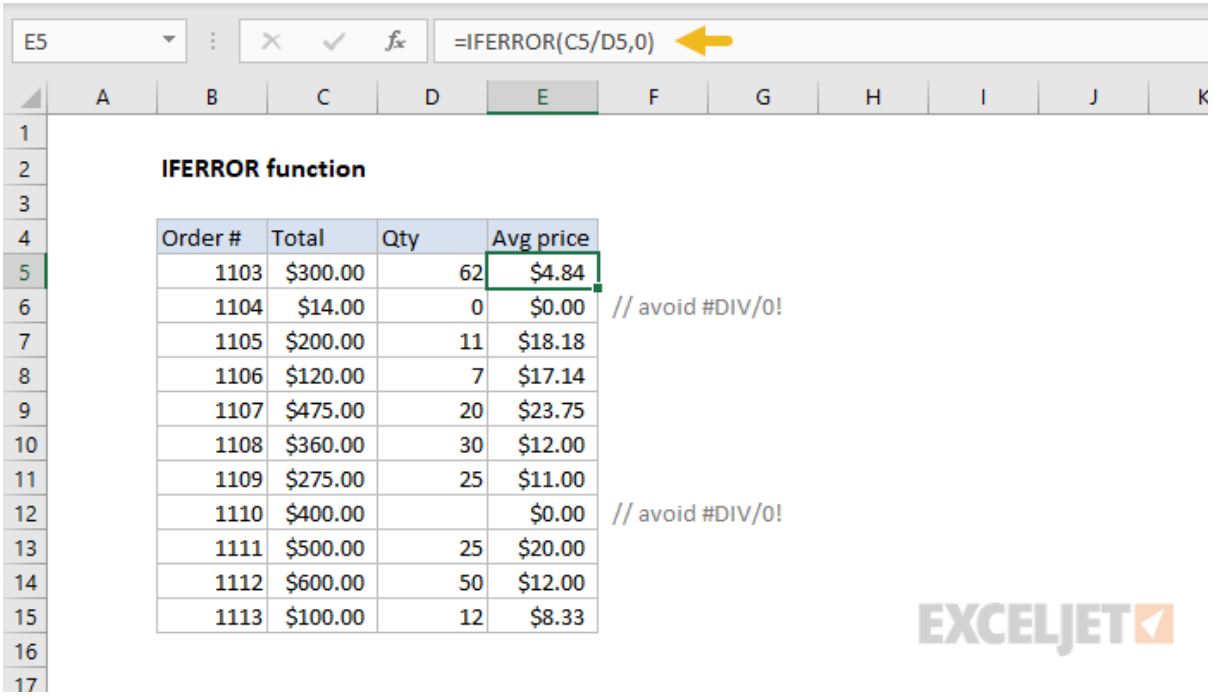
23. SUM PRODUCT



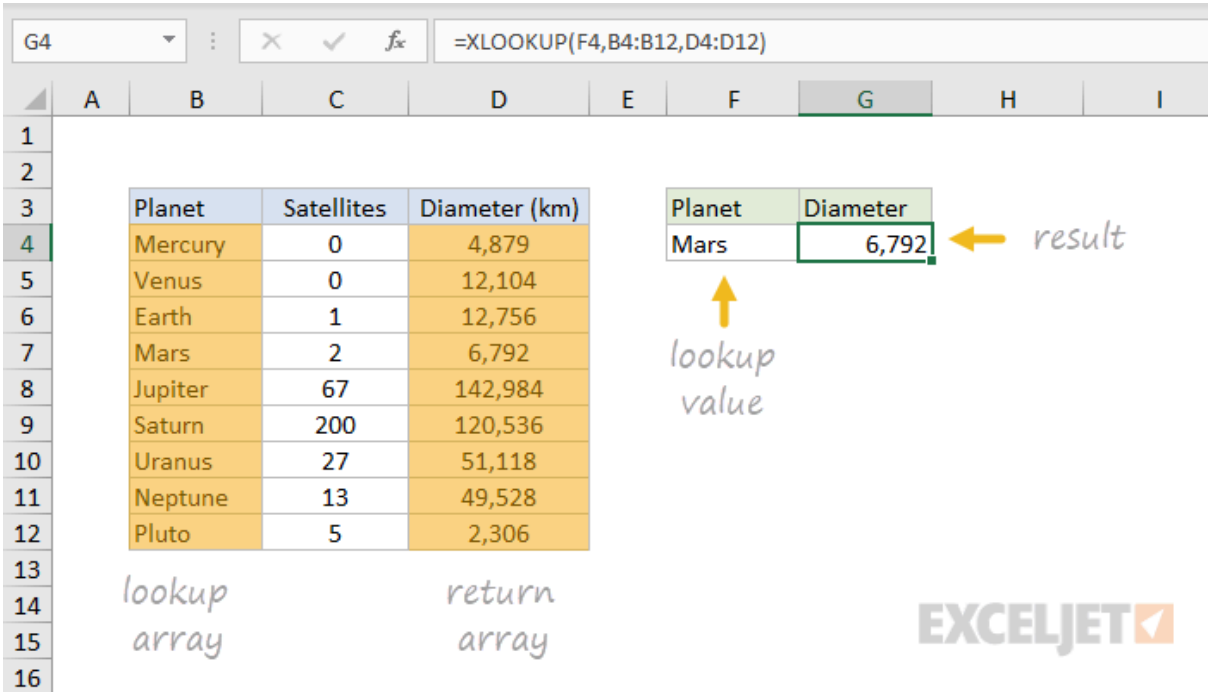
24. SUBSTITUDE



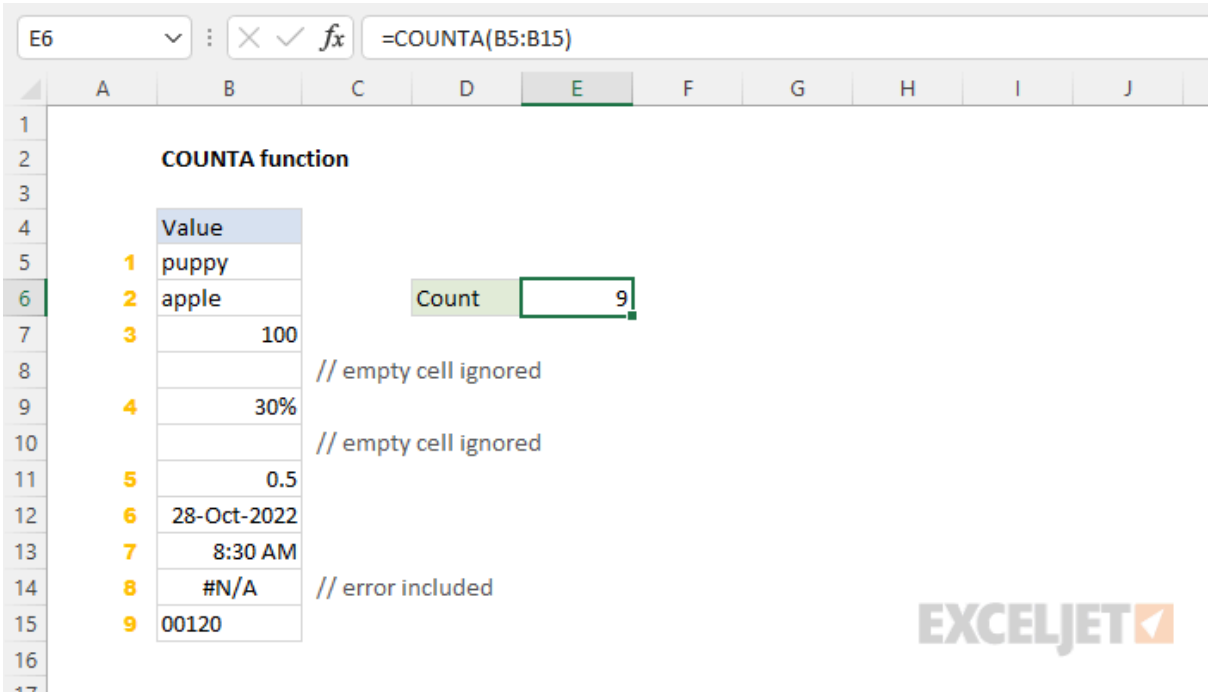
25. IF ERROR



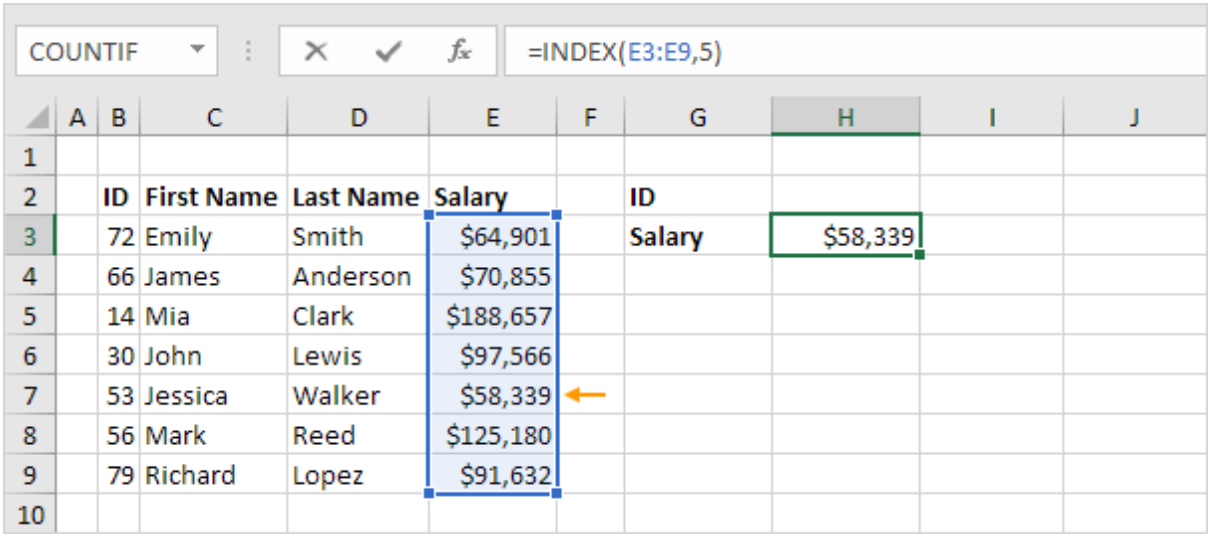
26. XLOOKUP



27. COUNTA()

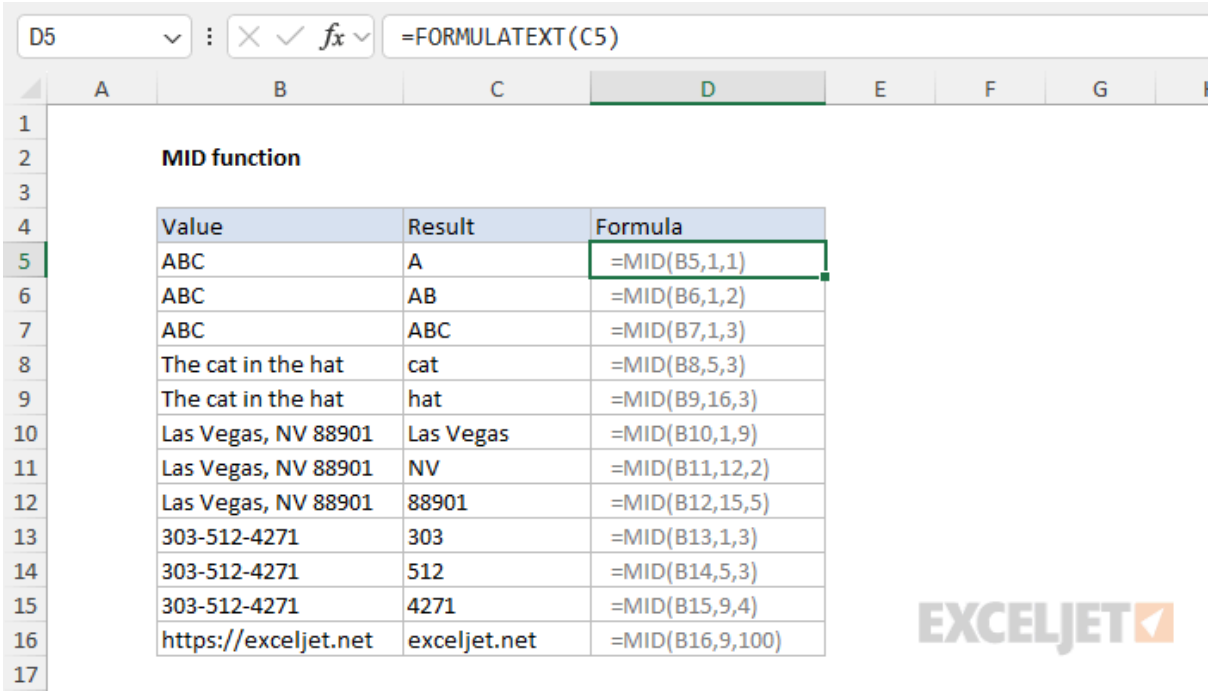


28. INDEX()J



	ID	First Name	Last Name	Salary		ID	
	72	Emily	Smith	$64,901		Salary	$58,339
	66	James	Anderson	$70,855			
	14	Mia	Clark	$188,657			
	30	John	Lewis	$97,566			
	53	Jessica	Walker	$58,339			
	56	Mark	Reed	$125,180			
	79	Richard	Lopez	$91,632			

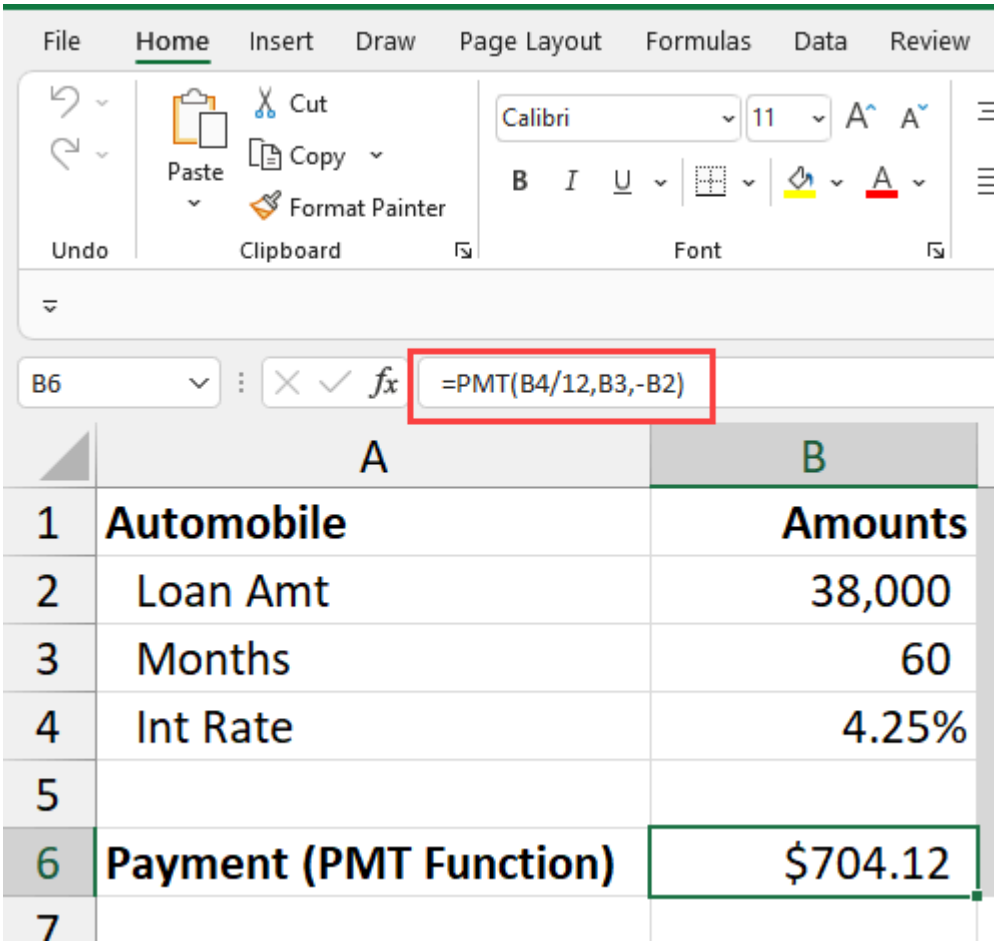
29. MID()



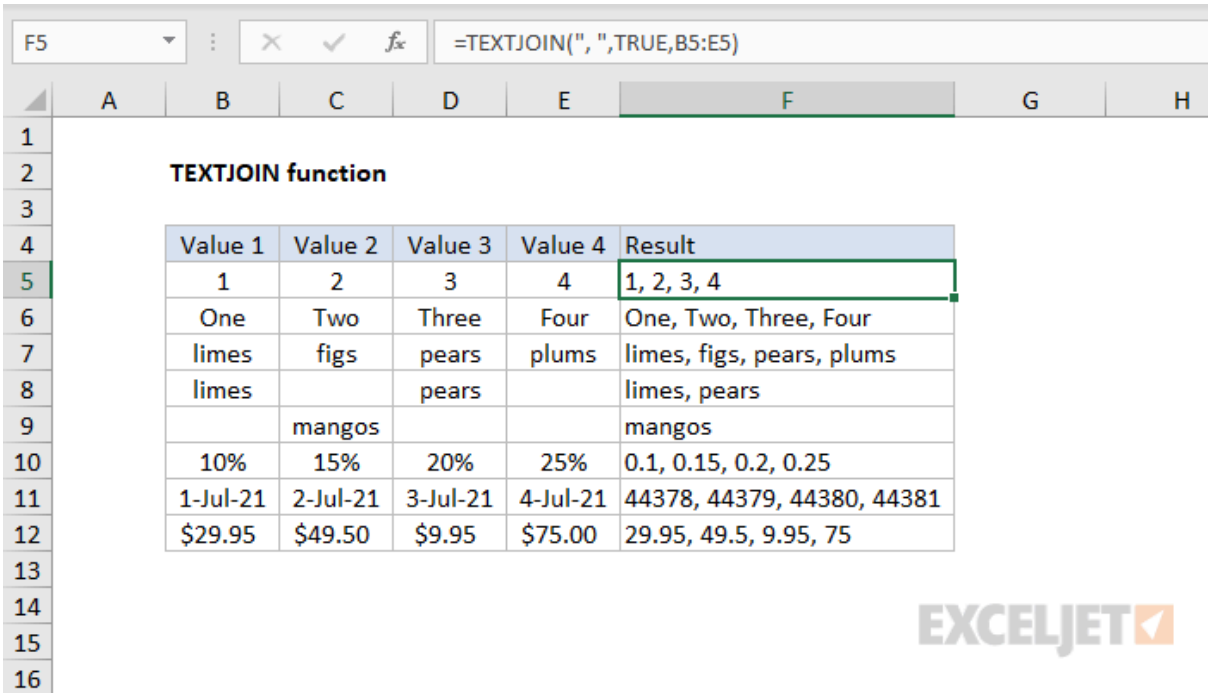
MID function

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)

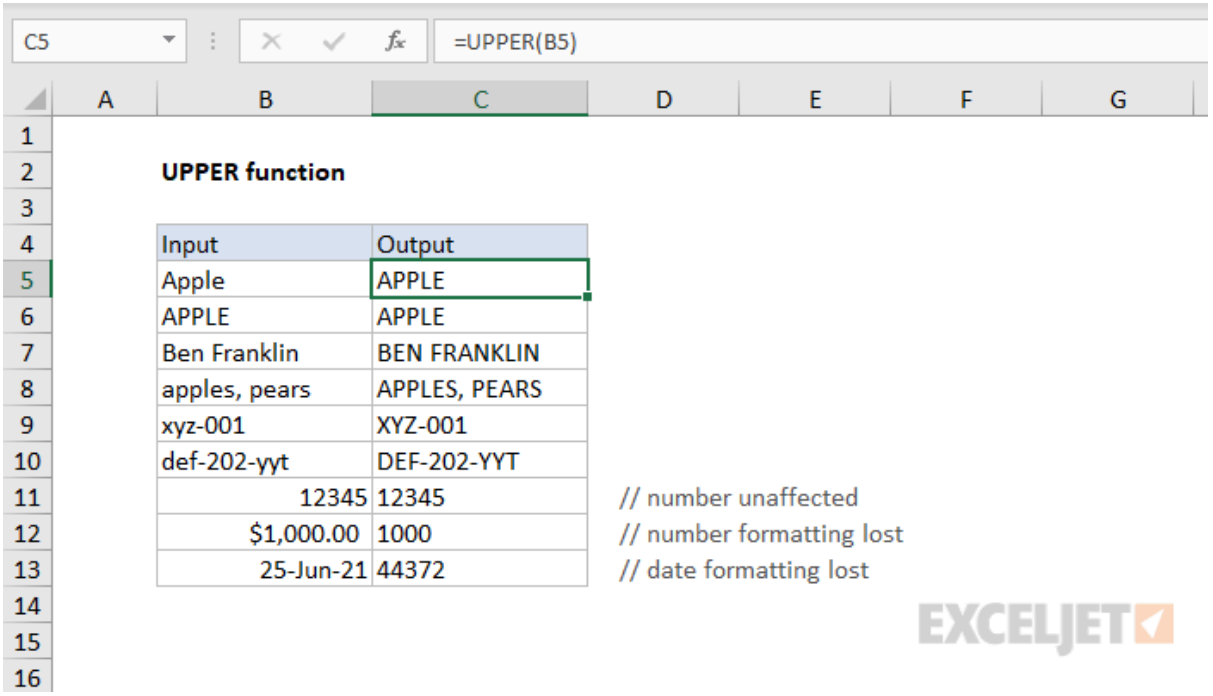
30. PMT(B4/12, B3,-B2)



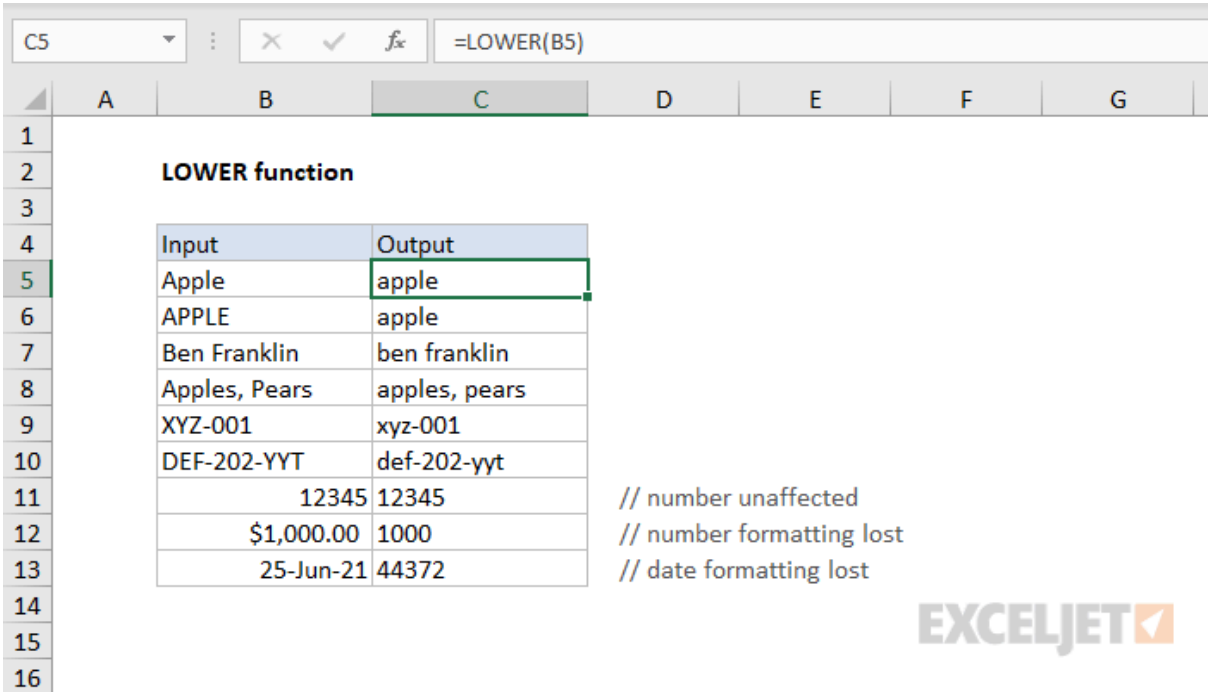
31. Textjoin



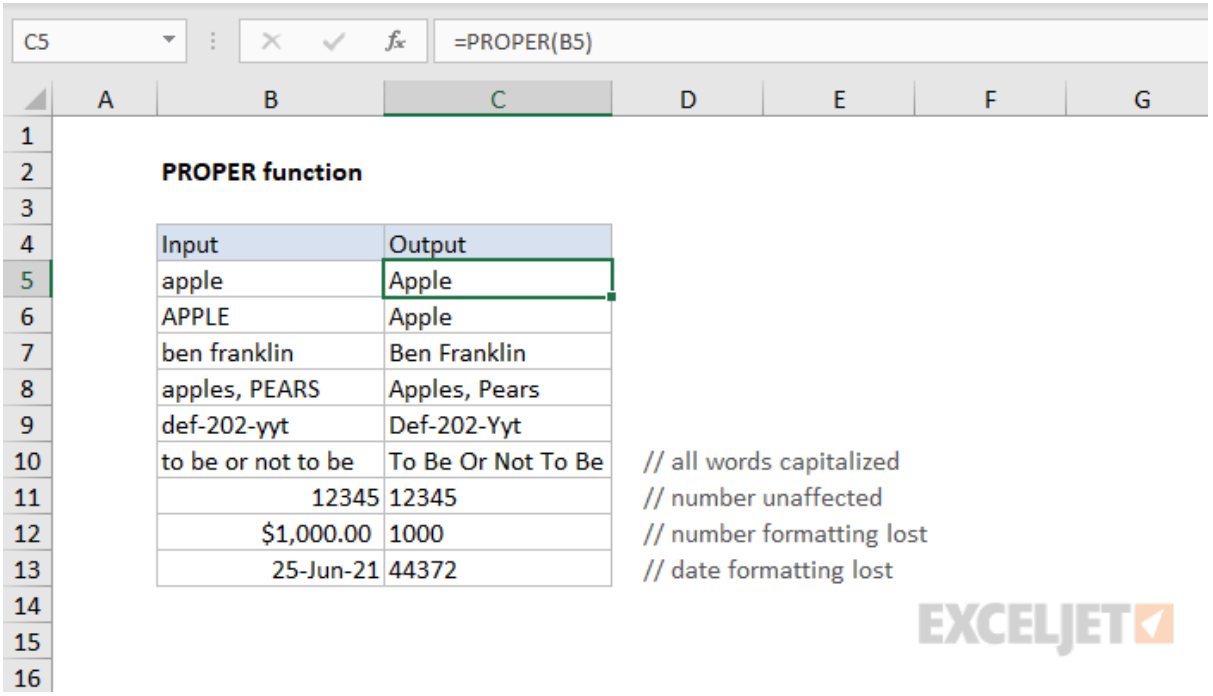
32. Upper



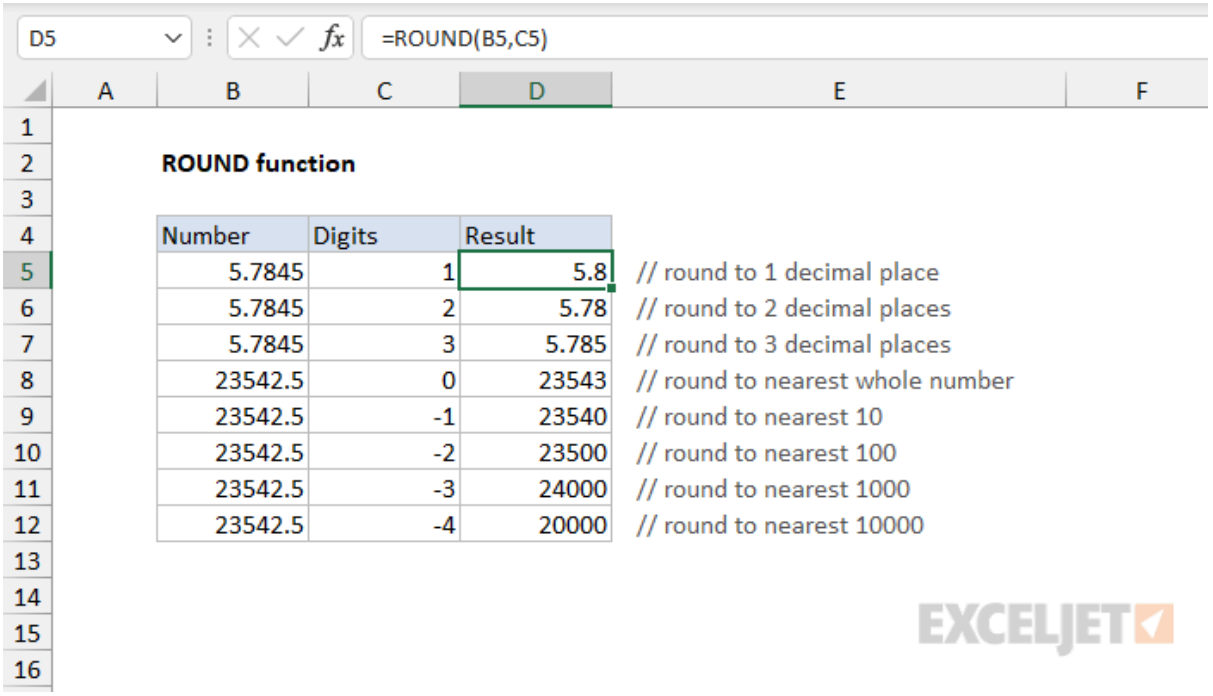
33. Lower



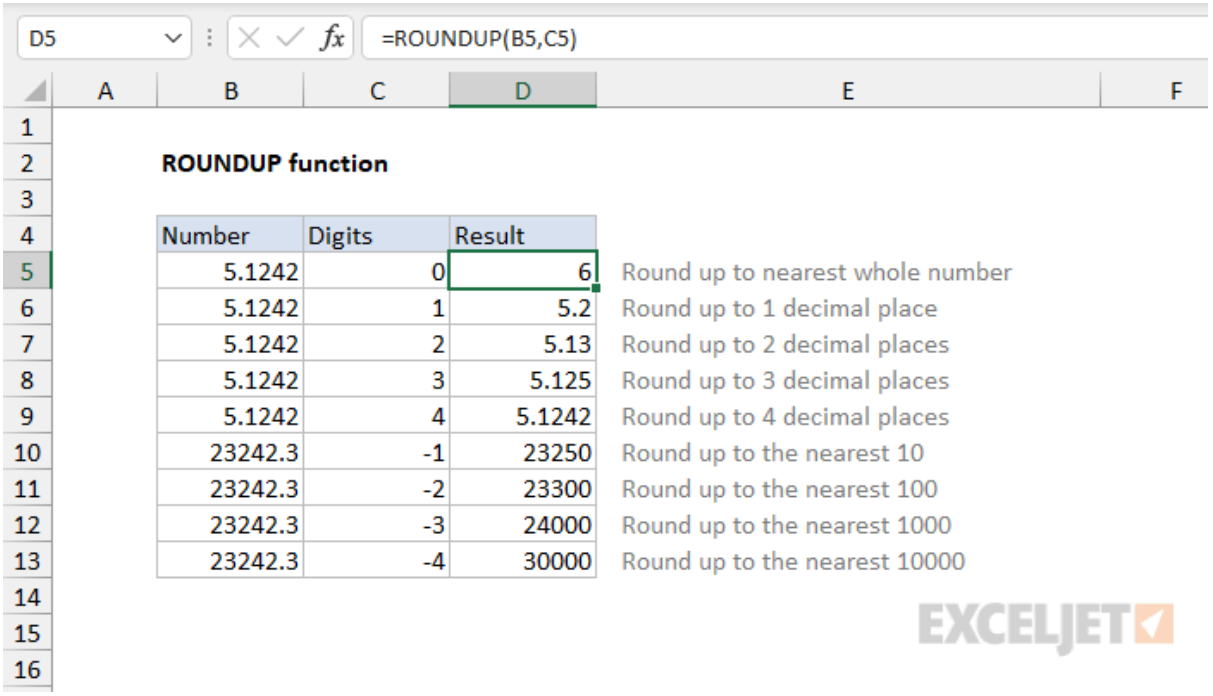
34. Proper



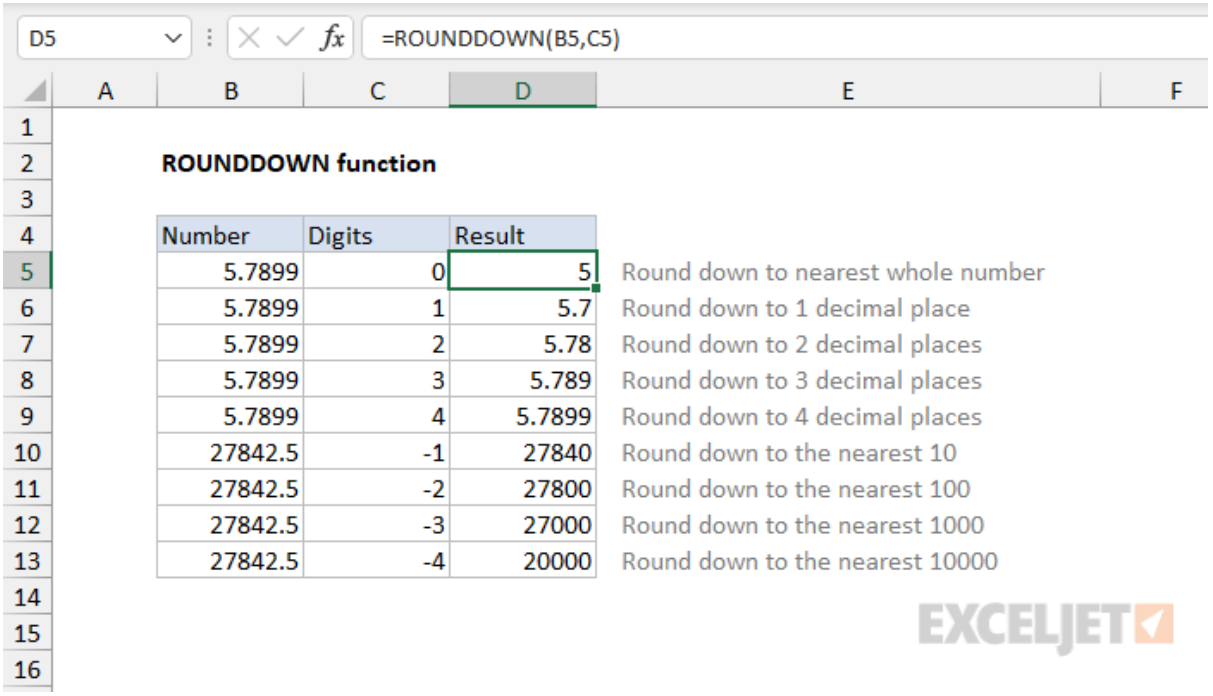
35. Round/



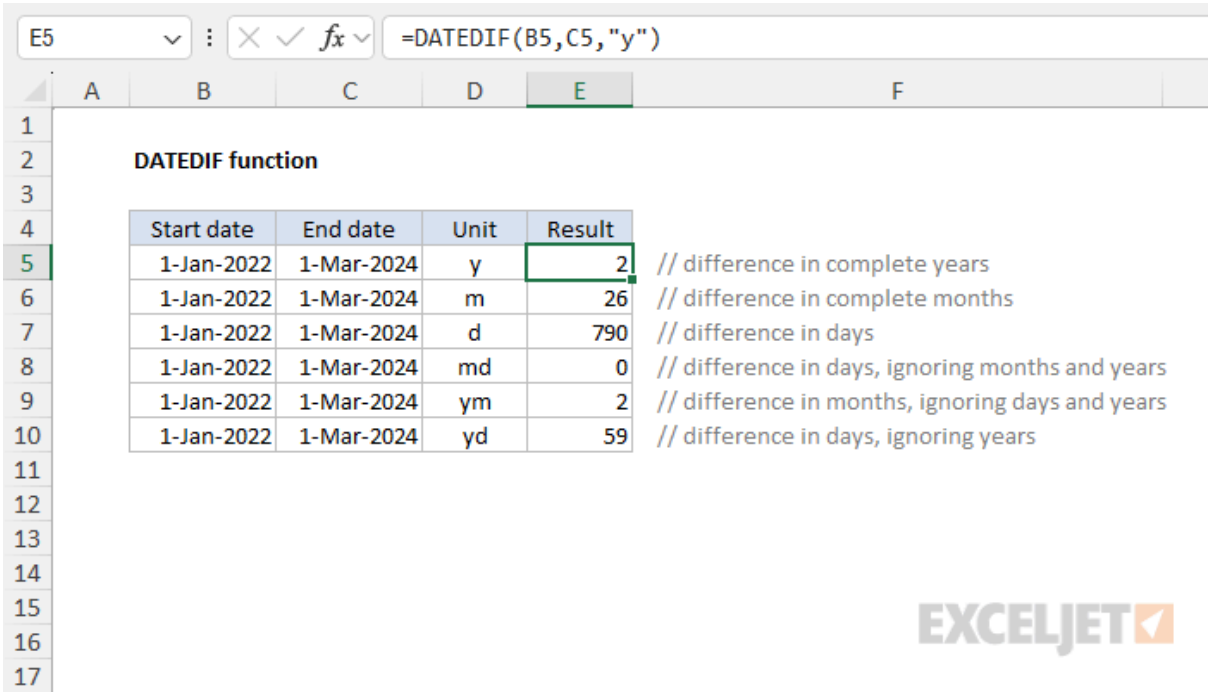
36. Roundup

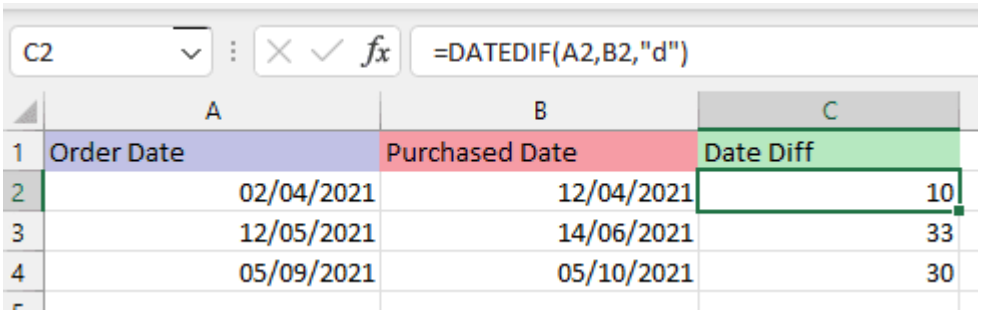


37. Roundown

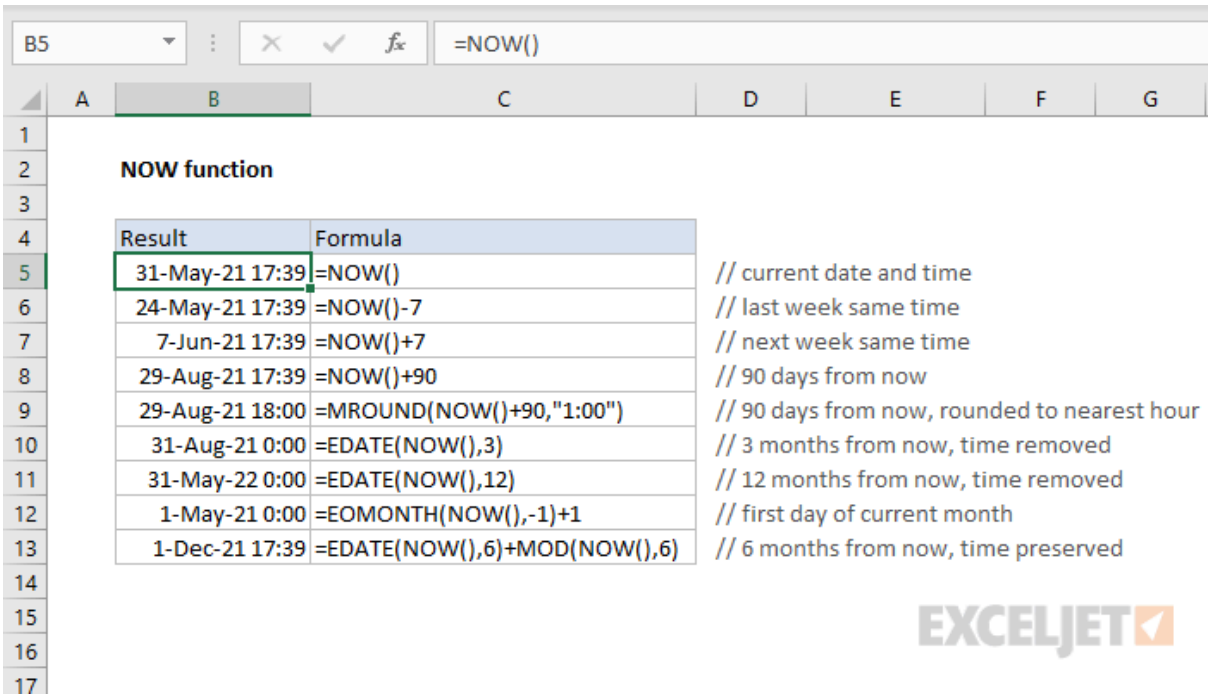


38. dateif

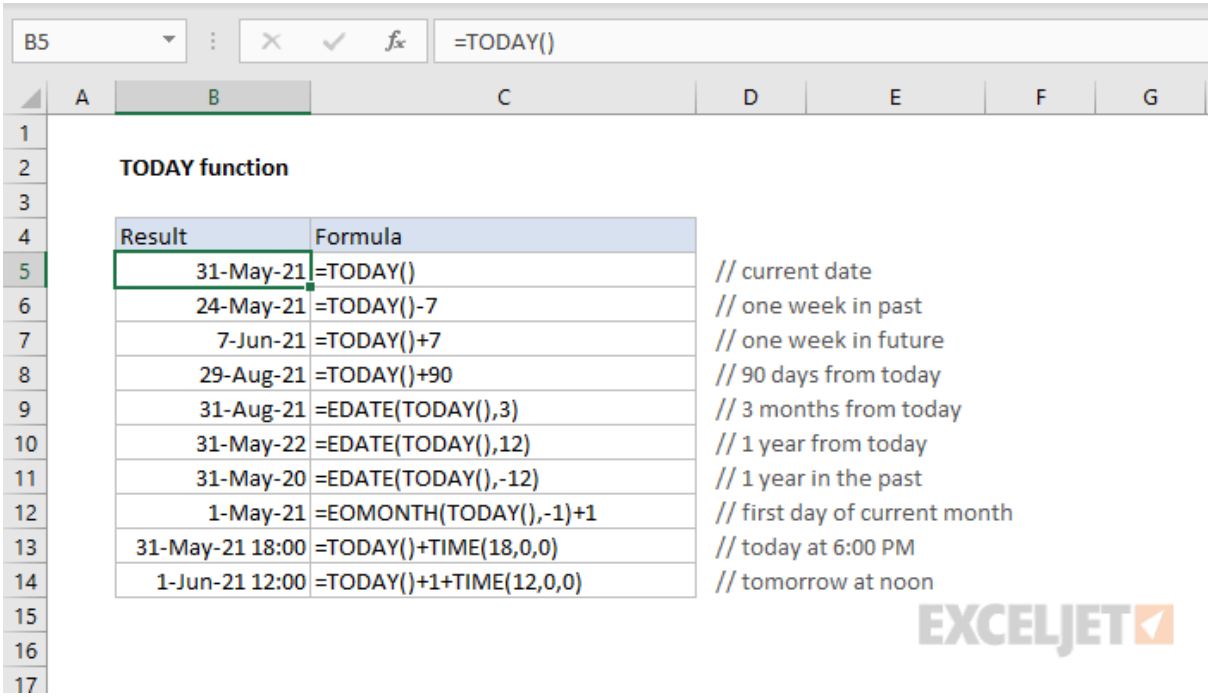

E5
=DATEDIF(B5,C5,"y")
DATEDIF function
Start date
End date
Unit
Result
1-Jan-2022
1-Mar-2024
y
2
// difference in complete years
1-Jan-2022
1-Mar-2024
m
26
// difference in complete months
1-Jan-2022
1-Mar-2024
d
790
// difference in days
1-Jan-2022
1-Mar-2024
md
0
// difference in days, ignoring months 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
=DATEDIF(A2,B2,"d")
Order Date
Purchased Date
Date Diff
02/04/2021
12/04/2021
10
12/05/2021
14/06/2021
33
05/09/2021
05/10/2021
30

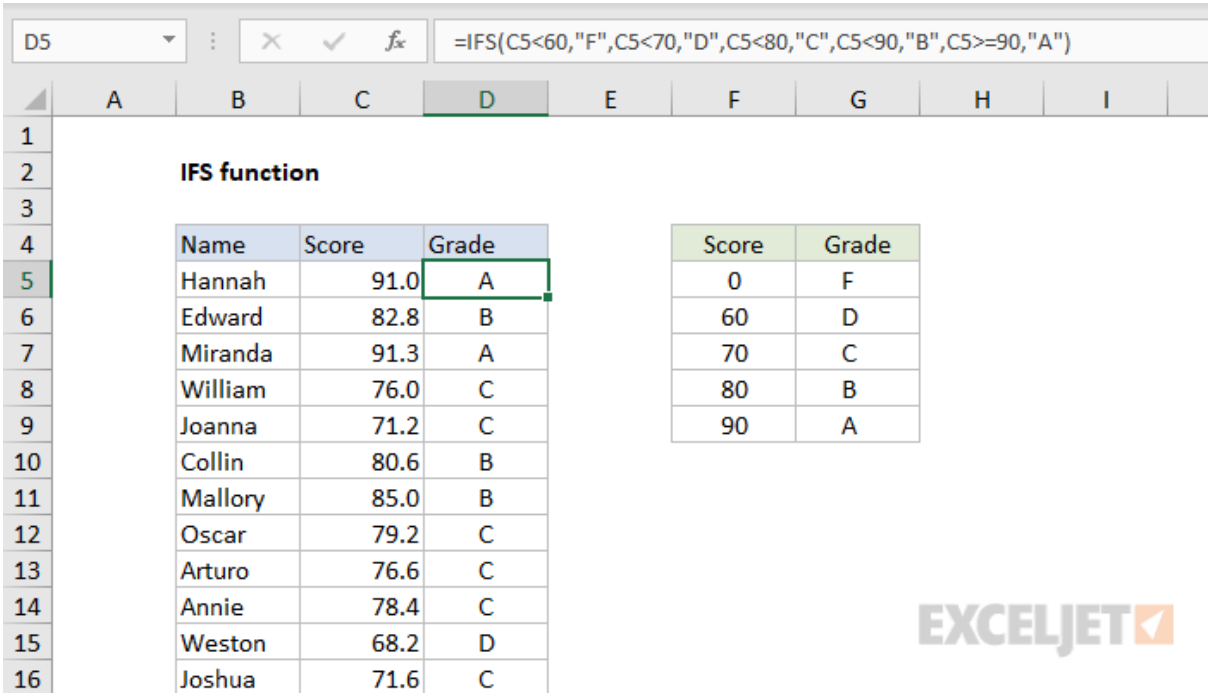
39. Now


B5
=NOW()
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

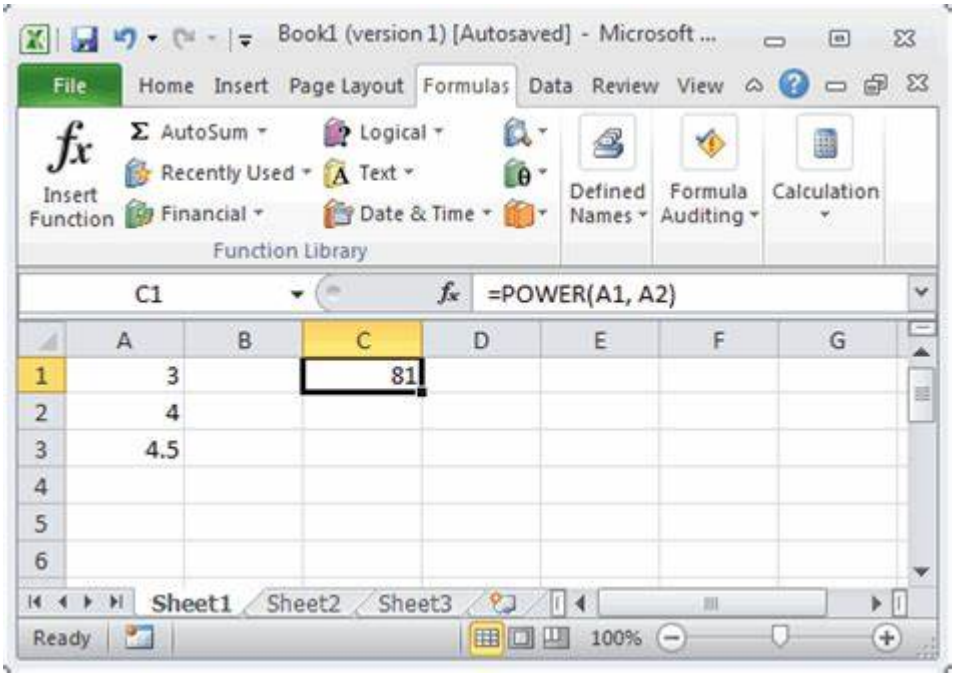
40. Today



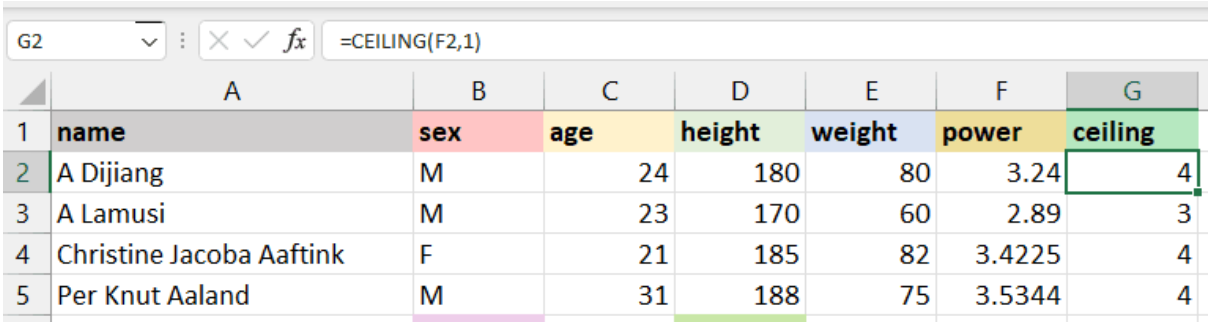
41. Ifs



42. Power

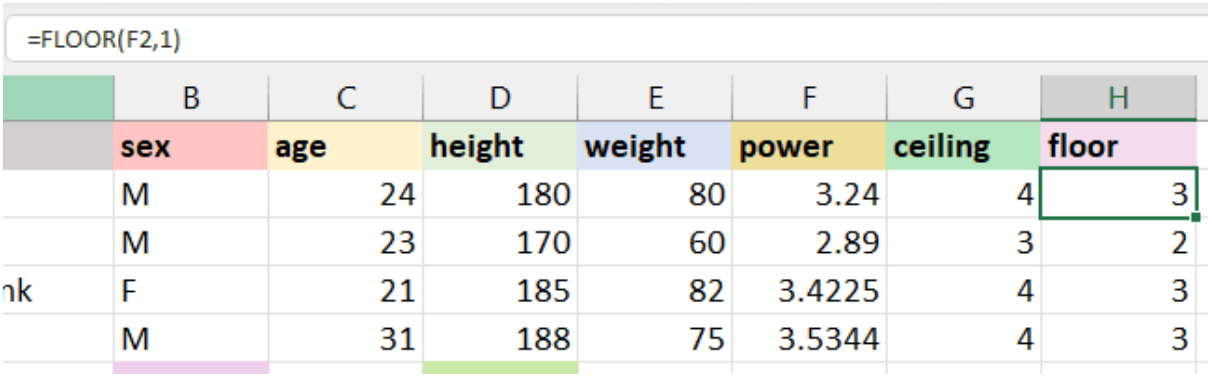


43. CEILING



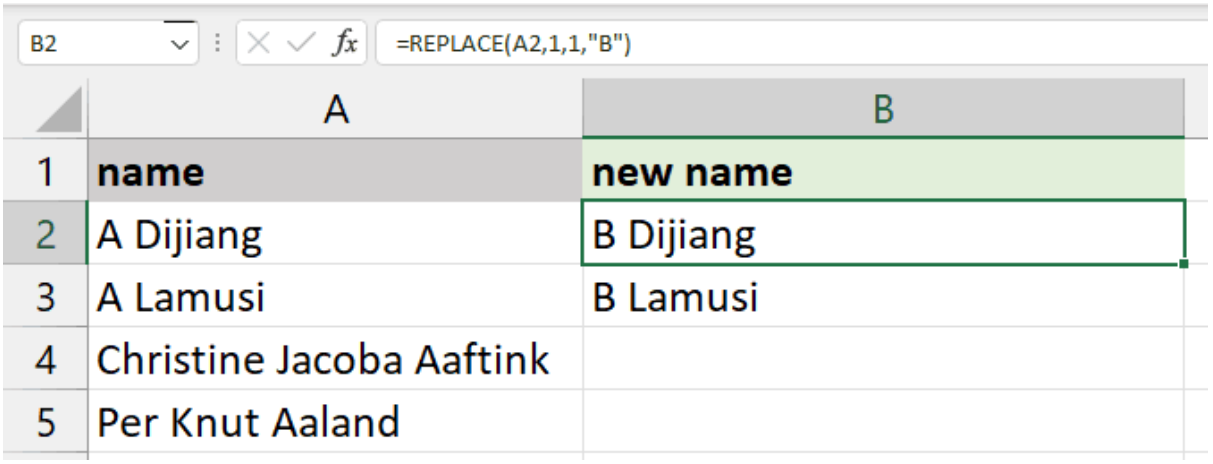
	A	B	C	D	E	F	G
1	name	sex	age	height	weight	power	ceiling
2	A Dijiang	M	24	180	80	3.24	4
3	A Lamusi	M	23	170	60	2.89	3
4	Christine Jacoba Aaftink	F	21	185	82	3.4225	4
5	Per Knut Aaland	M	31	188	75	3.5344	4

44. Floor

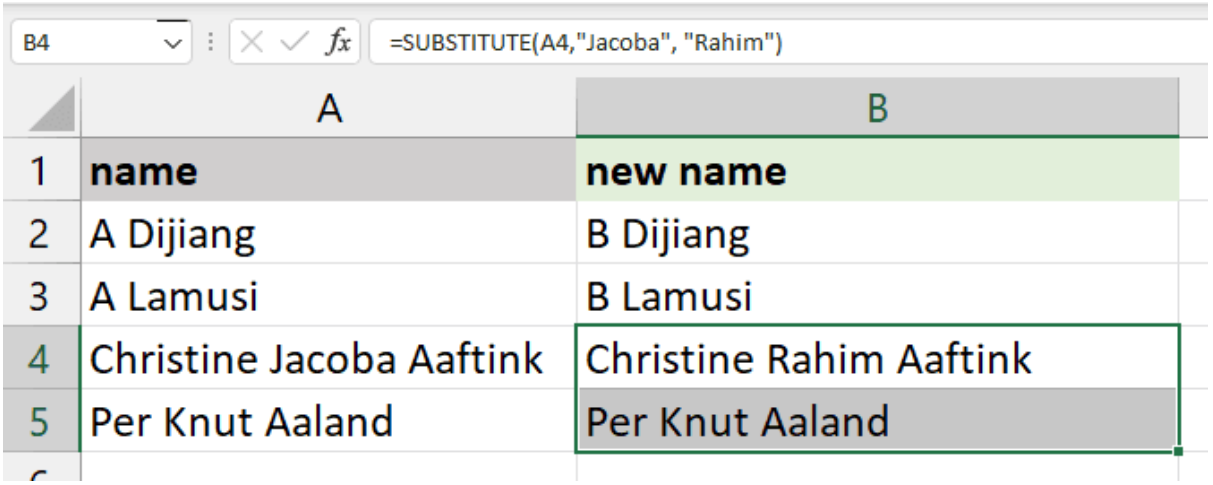


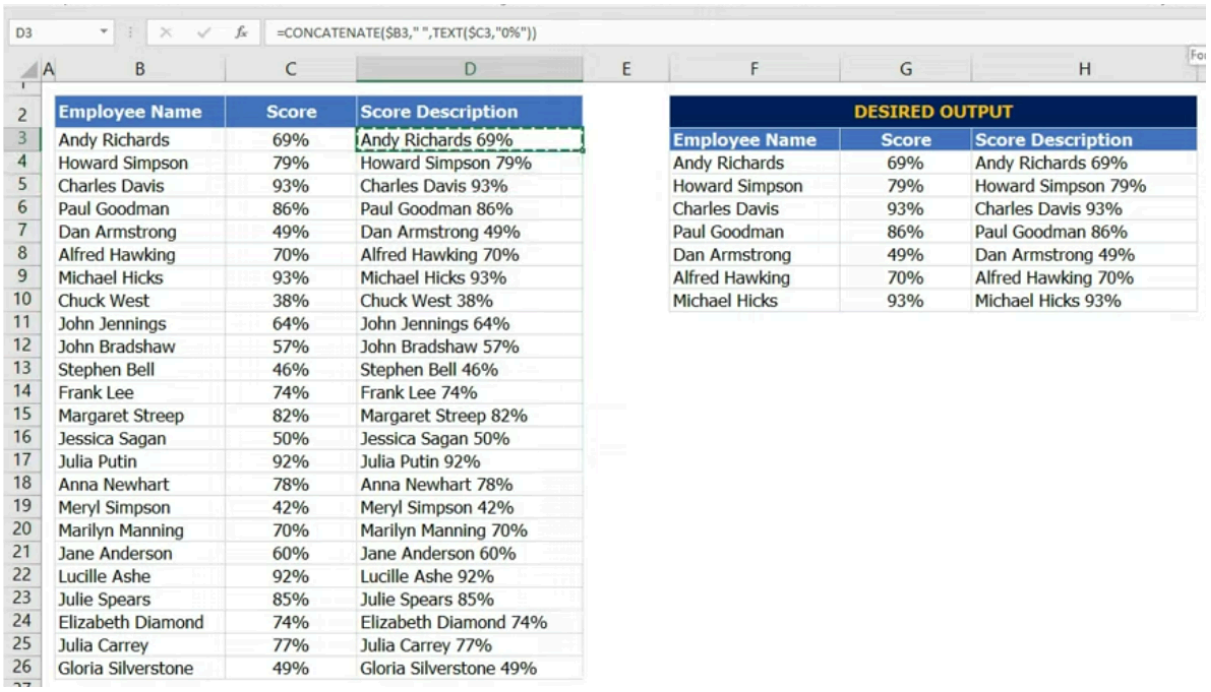
	B	C	D	E	F	G	H
	sex	age	height	weight	power	ceiling	floor
	M	24	180	80	3.24	4	3
	M	23	170	60	2.89	3	2
ık	F	21	185	82	3.4225	4	3
	M	31	188	75	3.5344	4	3

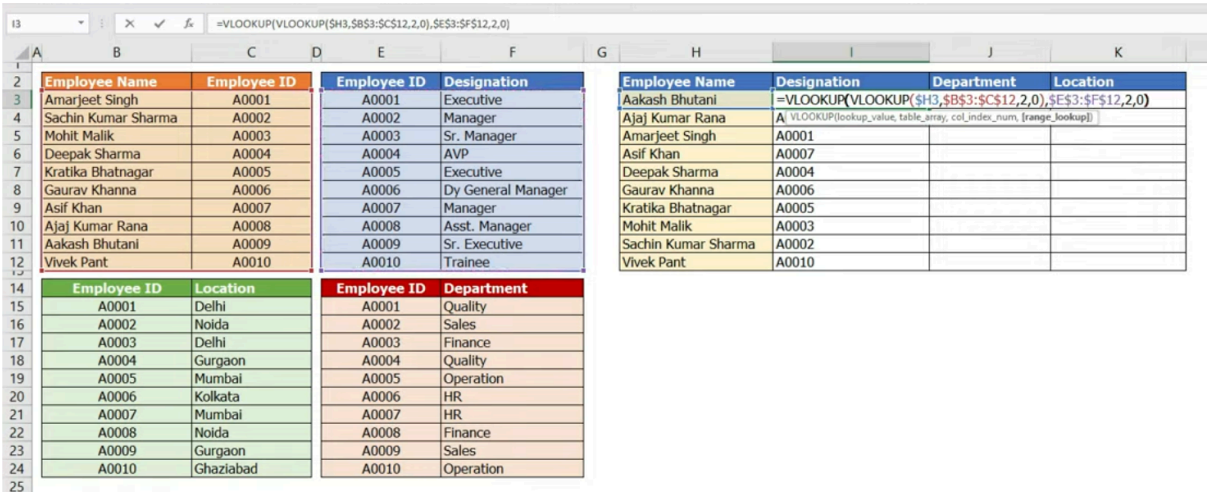
45. Replace



46. Substitute







Employee Name	Employee ID
Amarjeet Singh	A0001
Sachin Kumar Sharma	A0002
Mohit Malik	A0003
Deepak Sharma	A0004
Kratika Bhatnagar	A0005
Gaurav Khanna	A0006
Asif Khan	A0007
Ajaj Kumar Rana	A0008
Aakash Bhutani	A0009
Vivek Pant	A0010

Employee ID	Designation
A0001	Executive
A0002	Manager
A0003	Sr. Manager
A0004	AVP
A0005	Executive
A0006	Dy General Manager
A0007	Manager
A0008	Asst. Manager
A0009	Sr. Executive
A0010	Trainee

Employee Name	Designation	Department	Location
Aakash Bhutani	=VLOOKUP(VLOOKUP($H3,$B$3:$C$12,2,0),$E$3:$F$12,2,0)		
Ajaj Kumar Rana	A		
Amarjeet Singh	A0001		
Asif Khan	A0007		
Deepak Sharma	A0004		
Gaurav Khanna	A0006		
Kratika Bhatnagar	A0005		
Mohit Malik	A0003		
Sachin Kumar Sharma	A0002		
Vivek Pant	A0010		

Employee ID	Location
A0001	Delhi
A0002	Noida
A0003	Delhi
A0004	Gurgaon
A0005	Mumbai
A0006	Kolkata
A0007	Mumbai
A0008	Noida
A0009	Gurgaon
A0010	Ghaziabad

Employee ID	Department
A0001	Quality
A0002	Sales
A0003	Finance
A0004	Quality
A0005	Operation
A0006	HR
A0007	HR
A0008	Finance
A0009	Sales
A0010	Operation

Customer Name	Department
Antonio Gratacos Solsona	Administration
Andre Ludick	Business Development
Amritansh Raghav	Finance
Ajaj Kumar Rana	Human Resources
Amarjeet Singh	Human Resources
Anna Newhart	Marketing
Alfred Hawking	Production
Amandeep Singh	Production
Anoop Kumar Singh	Production
Arvind Panday	Production
Asif Khan	Production
Aakash Bhutani	Quality
Alexander Eggerer	Quality
Akhil Gupta	Sales
Amit Rana	Sales
Anna Bedecs	Sales
Andrew Cencini	Software
Andy Richards	Software
Anne Hellung Larsen	Software

Customer Name	Department
Anoop Kumar Singh	=VLOOKUP(TRIM($D2),$A$2:$B$20,2,0)
Amritansh Raghav	Finance
Amarjeet Singh	Human Resources
Anne Hellung Larsen	Software