Advance Excel Assignment 2

1. What does the dollar(\$) sign do?

Ans- Dollar(\$) is used to create absolute references in a formula which refers to a fixed cell or a range that does not change when the formula is copied or filled to other cells.

There are 2 types of references-

a) <u>Absolute Column Reference-</u> when dollar sign is put before column then column remains static but row changes. E.g.- \$B1

<u>b)Absolute row reference-</u> when a dollar sign is put before a row then row remains static but a column changes. E.g.- B\$1.

To fix both rows and columns dollar sign can be put before both of them respectively.

Annual Salary	Monthly Salary	Medical per	Loan per month
=B3	=B14/12	=C14*\$C\$6	=D14*\$C\$7
=B14+\$C\$10	=B15/12	=C15*\$C\$6	=D15*\$C\$7
=B15+\$C\$10	=B16/12	=C16*\$C\$6	=D16*\$C\$7

2. How to Change the Reference from Relative to Absolute (or Mixed)?Ans- Dollar(\$) sign is used to change reference from relative to

absolute or mixed.

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Steps to change relative to absolute reference

>Select cell range containing formula>place dollar sign before row and column >Click enter

Cell Reference in Excel Product s Man **Relative Cell** 9,965.00 Manisha 53,728.00 Product 10 Mixed Cell Reference 4,994.00 76,055.00 Product Shalu Reference Product-4 2,956.00 22 ϵ 4 Neelika 3,145.00 63,099.00 5,956.00 13 Ruchi 89,685.00 15,164.00 Product-5 23 6,956.00 Product-6 1€ Product-7 7,956.00 Absolute Cell Product-8 8,956.00 Reference 10 Product-9 9,956.00 10 9 Product-10 1,056.00

3. Explain the order of operations in excel?

Ans- Order of operations determines the sequence in which operations are performed within a formula. Its is as follows

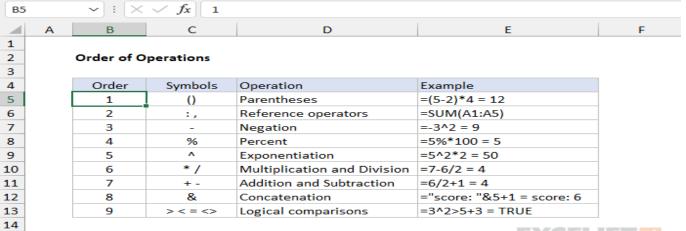
a)Parenthesis()- they are calculated first

b)Exponent- to perform exponential calculations, denoted by ^

c)Multiplication and division- denoted by * and /

d)Addition and subtraction- denoted by + and
e)Concatenation

f)Logical operators





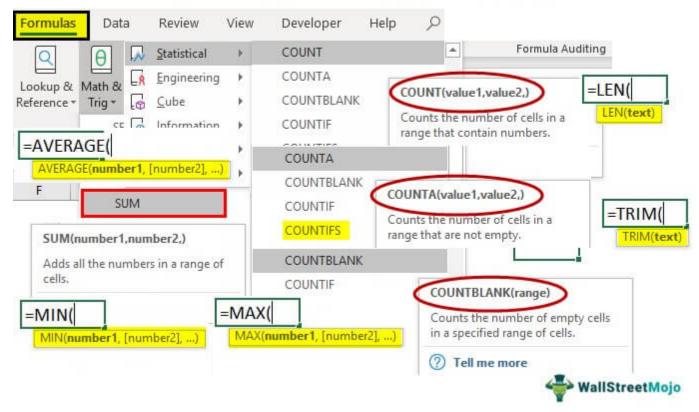
- 4. What, according to you, are the top 5 functions in excel and write a basic syntax for any of two?
- **Ans-** Excel offers several functions that perform calculations by using specific values. Top 5 functions in excel are
- a)Count- to count number of cells in a range
- b)Sum- adds up range of cells
- c)Average-calculates average of range of cells
- d)If-performs logical tests and returns different values based on result
- e)VLOOKUP- allows to search across columns

Basic syntax of any 2 functions

<u>a)Sum-</u> to add values in 4 cells B1, B2, B3, B4 the formula would be = sum(B1,B2,B3,B4)

b)<u>Count-</u> to count values in cell range A1 to A32, the formula would be = count(A1:A32)

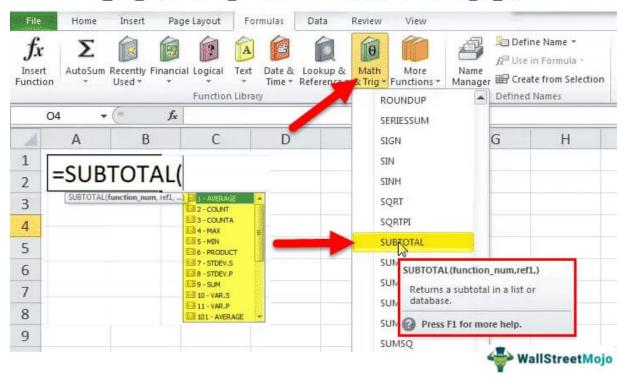
Basic Excel Formulas



5. When would you use the subtotal function?
Ans- Useful to perform calculations on a range of data while ignoring any sub
Totals while ignoring any nested subtotals in a range. It is used when
a) <u>Dynamic Calculations-</u> when underlying data changes
b)Multiple calculations - multiple calculations on same range of data
c)Filtered data- subtotal function automatically adjusts its calculations based
on visible rows after applying filter

d) Grouped data- data grouped in hierarchical structure

SUBTOTAL in Excel



6. What is the syntax of the vlookup function? Explain the terms in it?

Ans- VLOOKUP or Vertical lookup is a function in excel which helps in searching a value in leftmost column of a cell in vertical manner. Syntax of VLOOKUP is

=VLOOKUP(lookup_value, table_array, col_index_num, [range_lookup])

Terms in syntax

VLOOKUP Examples in Excel

4	A	В	C	D	E		F	(i
1	Size	Dress	Price		Dress	Pr	ice	2	
2	Medium	Frock	456		Trouse	r 74	165		
3	large	Jeans	487		Shirt	4	47	T	
1	Extra Small	Pant	789		Dress	8	59		
5	Small Extra Lar	2	- I ×		f _x	=VLOOK	(UP(F	2,A1:D7,	4,FALSE)
7	3XL	A	В		C	D	Е	F	G
=	VLOO	KUP(ks		Sid	Marks
	OOKUP(lookup_va	lue, table_arr	ay, col_index	_num,	range_lool	kup])		2	48
VLC							_	100	
VLC 1	3	2	sri	S	ocial	48		6	56

