Call

## Program-01 conditional Formatting. IF, count If, sum IF, Average, concert a) conditional formatting It is used to change the appearence of a cells in a large strange based on your specific condition. The condition are rules based on specified numerical value or matching text. The brauser Vension of Excel Provides a no of built in condition and appearence. ive conditional formatting on sample superstone onta Apply the condition formatting on profit rolumn as Follows : -> select the entire Brofit column - Click on the conditional formatting button from Home → Select highlight cell Rule aption → select greater than option from it → Enter the value in the

given text box which profet you want to highlight the

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[b] If function :-

It is a pre-made function in Excel which returns value based on true / false

Example:

If on sample - superstore data set

syntax :-

=IF (logical\_text, [volue\_IF\_true], [volue\_if\_false]

if on sample superstone dataset

and Enter the formula.

implement If condition on discount

= IF (T2>0, "Dis count Allowed", "Discount not Allowed")

[C] countIF function :-

It is a pre-made function in Excel which counts cells as specified numbers (eg: 90) and words (eg" water") wan be specified

= count IF (Range, criteria)

where range = set of data on which count function is to be implement criteria = condition that need to be matched.

on sample-superstone data set

find the average of profit

= Average (U2: U7)

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(F) CONCATENATE functions
runctions
The concatenate fine
The concatenate function is to be made to used
to link multiple cell with out adding any delimited b/w the combined cell value.
The combined cell value.
syntax
= CONCATENATE (Text 1, [TEXT2], [TEXT3])
JETONIZA J
on the Sample data Set
Create a new column and name it as product
Summary and concatenate product
= CONCATENATE (Q2, R2, V2)
The second secon
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in a text string, based on the number of character you specify

= RIGHT (text, [num - chaus]

· Text is the text string containing characters you want to extract.

num- char specify the numbers of characters You want RIGHT to extract

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INDEX, MATCH, UNIQUE, IFS, COUNTIES
INDEX, MATCH, UNIQUE, IFS, COUNTIES, SUMIFS, AVERAGE-IFS
[a] Index:
The microsoft excel index function networks a value in a table based on interest
in a table based on intersection of a now and
column position within that table.
The index function is a live
The index function is a built-in function in excel
lookup 1 reference function.
syntax:-
= index (table, now-number, column-num).
(b) Match
It seasehs for specified item in a large of cell and then network, the relative position of that item
and then returns, the relative position of that item
in the range.
V
Syntax:- = MATCH (lookup - value, lookup - list, [match-type])
on a particular data set.
= INDEX (II: L4, MATCH (13, 12:40,0), Match (J2, II: L1,0))
= INDEX (I1: L4, MATCH (13, 12:40,0), Match (12, 11:6,0))

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T(E) CHM/EC
It is one of the mouth and trigo functions, add all of its auguments that meet multiple criteria.
add all of its originments that meet multible
criteria.
Syntox:-
= sumIFS (sum_range, criteria-range 1, criterial-)
Eg: - SUMIFS (D2: D13, B2: B13, I18, (2: C13, I17)
(g) Average IFS
It we turns the average of all that cell that
meet multiple conterna.
= AVERAGIEIFS (overage - range, criteria - range),
criterial)
eg:- AVERAGIEIFS (D2:D13, B2:B13, I18, C2:C13, IA)
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Syntax:-

= HLOOKUP (look up - value, table acoray, sow\_index num, [range-lookup])

(c) XLOOKUP

It is used to find things in a table or stange. By now. It networks the item corresponding to the first match it finds if no match exists, then XLOOKUP

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can exetiven the closest match.
syntax:- = x Lookup (lookup - value, lookup - avoing, meturn - avoing, [if not found], [match - mode], [sewich - mode])
Egs- XLOOKUP (E3, All: A20, KII: K20)
d> count
it counts the number of cell that contain numbers  and counts number within the list of arguments  It gets the number of entries in a number field  that is in a stange or away of numbers.  Ayntax:  = COUNT (Value 1, [Value 2],)  egg- = COUNT (A8 i K19)
(e) count A 1-
it counts the no of cell that are not empty in a
syntax :- = count A (value 1, [value 2],)
Egs-count A (A8: A K19)
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(d) Randavoray:-
This function returns an array of mondom number
fill, minimum and maximum value of the
fill minimum and maximum value, and whether
to return whole number or decimal values.
syntax:-
= RAND ARRAY (Evous), [columns], [min], [max],
[whole-numbers])
Eg = RANDARRAY (6,3,10,100, TRUE)
(e) If error:-
you can use this function to trap and handle
everes in a formula. It preturns a value you
spealty if a formula evaluates an every otherwise
the section the result of the formula.
Syntax :-= IF ERROR (Value, value - if - everor)
Eg:- IFERROR (C2*2," ")

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Program - 07 step 1: corite the Problem Statements (Groals) 1) category wise Profit 2) Region wise Profit 3) segmentcoise Profit 4) what our the total scale by segment in each all years? (Doughnut charits) 5) What are the total sales in different late categories? (Dougletnest charits) 6) what one the total sales in different regions or all region (Bor shout) 7) what are the Brotit and Bales in different regions! 8) what are the total quantity in different last Hege ons ? -> steps to create a dash board on sample superstore. \* Data cleaning (a) Add fifteers to all the columns. b) for each column check the fitters for any dada, anamoly such as blank cells incorrect data etc. (c) If any anamolies correct them manually. — MSRCASC -

Go to Pivot charet tools ribbon -> select Analyze option -> select insert slicer -> select columns on which you need to insert slicer.

- 5) connect all slicer using the following steps:bio to slicer tool > click an options = select
  pivot table connections > check all the Pivot
  table you need to connect.
- 6) This dashboard will be interactive when you select data from the slicer, your charts will dynamically update to display the selected options.