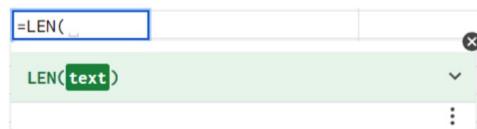
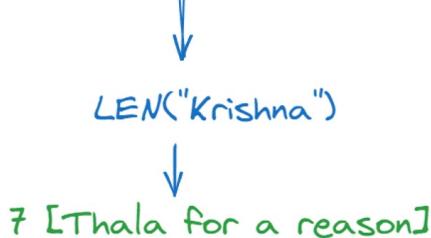
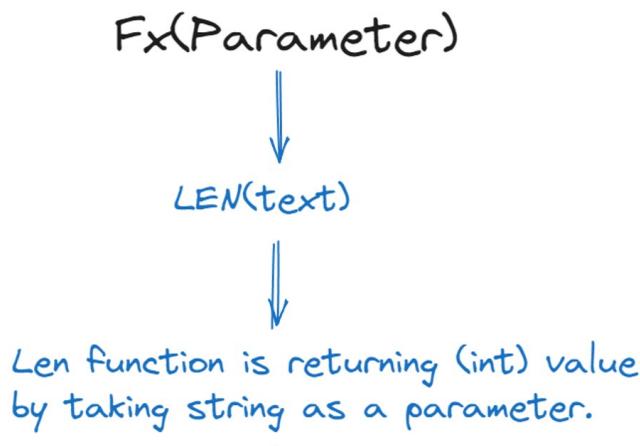


## Text Function & Validation

1. Len() Function - Returning the length of the characters being present in a text.



FIND() : position of a text



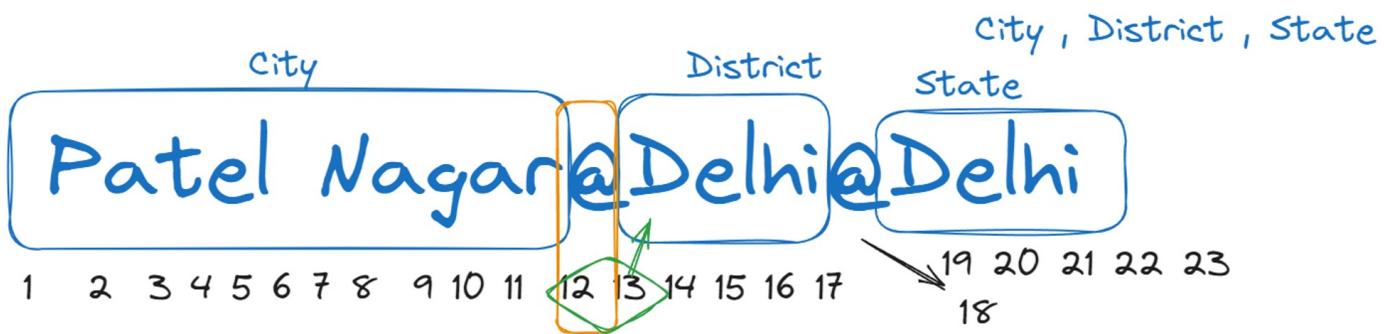
### FIND function:

In Google Sheets, the `FIND` function is used to find the position of a specific character or substring within a text string. The syntax for the `FIND` function is as follows:

```
FIND(find_text, within_text, [start_position])
```

- `find_text` : This is the text you want to find within the `within_text` parameter.
- `within_text` : This is the text or cell reference where you want to search for the `find_text`.
- `[start_position]` (optional) : This parameter allows you to specify the position within the `within_text` where the search should begin. If omitted, the search starts from the beginning of the text.

`within_text`, where the search should begin. If omitted, the search starts from the beginning of the text.



1st "@"

`FIND("@","Patel Nagar@Delhi@Delhi") - 12`

Cell reference

E2

2nd "@"

`FIND("@","Patel Nagar@Delhi@Delhi", E2 + 1) - 18`

`LEN(text) - 23`

23 - 2nd @ [18]  
 $= 5$ . Right(text,5) - Delhi

Step 1 : Find the position of 1st @.

Step 2 : Finding the position of 2nd @

1st @ [cell reference] + 1

start\_position

F	G
Position of 1st @	12
<code>=FIND("@",A2)</code>	

Position of 2nd @

Length of the text

`=FIND("@",A2,E2+1)`

`FIND(search_for, text_to_search,  
[starting_at])`

E
12
x
Position of 1st @
=FIND("@",A2)
10
8
13
7
15
12
12
7
11
11
9
10
12
9
16

```
FIND(search_for, text_to_search,
      [starting_at])
```

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

Sunder Nagar@Mandi@Himachal

Column E is storing  
1st @ position.

1st @ position

2nd position

	F	G
	Position of 2r 13 ×	Length of the tex
	=FIND("@" ,A2,E2+1)	

FIND(search\_for, text\_to\_search,  
[starting\_at])

Step 3 : Length() Function as a new helping column.

E	F	G
Position of 1st @	Position of 2nd @	Length of the text
12	18	23 ×
10	20	=LEN(A2)
8	18	33
13	19	23
7	13	27
15	21	24
12	22	26
12	22	35
7	13	27
11	17	21
11	17	28
9	19	22
10	20	32
12	18	25
9	15	26

12	18	26
9	15	26

Step 4 : Fetching the city column using Left Function.

B  
Patel Nagar@  
=LEFT(A2,E2 - 1)

City
Patel Nagar
Kaushambi
Benipur
Sunder Nagar
Kalyan
Rajouri Garden
Indrapuram
Muzaffarpur
Manali
Thane West
Karol Bagh
Vaishali
Madhubani
Dharamshala
Borivali
Connaught Place
Crossing Republic
Sonatpur

Background changes from red to green , signifies that the answer is correct.

Step 5 : Work on the mid Value to fetch the district from the existing sheet.

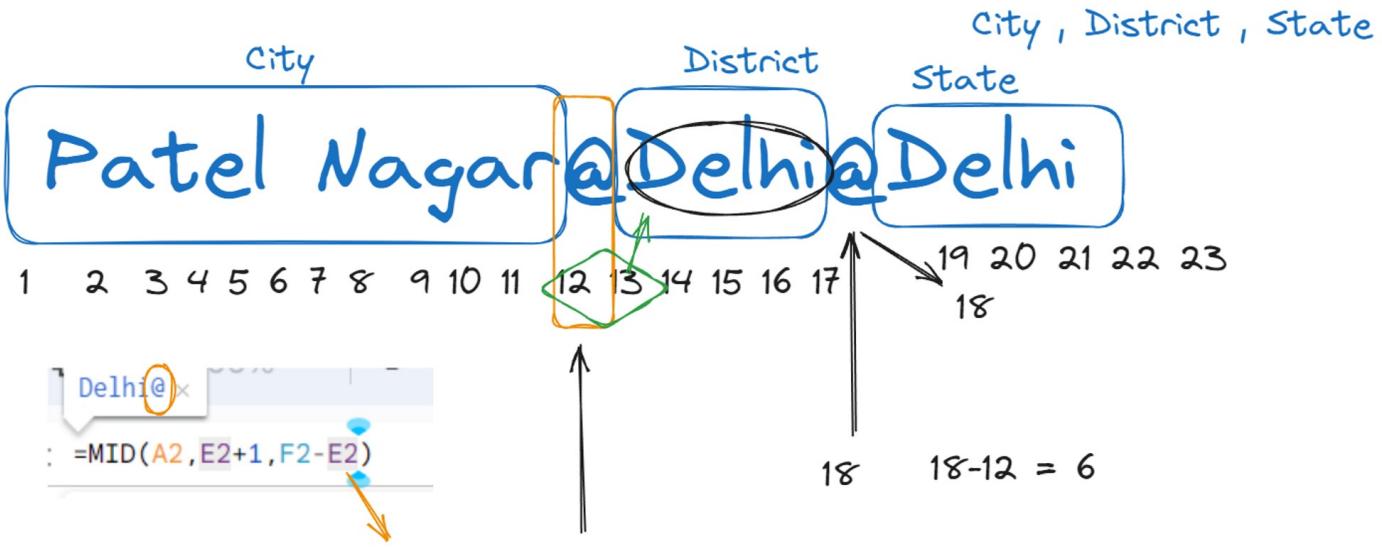
=MID(A2,E2+1,F2-E2-1)

State Position of 1st @ Position  
=MID( 12 )

MID(string, starting\_at, extract\_length)  
length of character to be fetched

1st @ 12 2nd @ 18

Patel Nagar@Delhi@Delhi Patel Nagar Delhi



Step 6: Right function is being used to fetch the state column. Also you will be requiring the length helper column to deal with.

=RIGHT(A2, G2-F2)

Length - 2nd @

Delhi
=RIGHT(A2, G2-F2)
Uttar Pradesh
Bihar
Himachal
Maharashtra
Delhi
Uttar Pradesh
Bihar
Himachal
Maharashtra
Delhi
Uttar Pradesh
Bihar
Himachal
Maharashtra
Delhi

City	District	State
=LEFT(A2, FIND("@", A2)-1)	=MID(A2, FIND("@", A2)+1, IND("@", A2, FIND("@", A2)+1)-FIND("@", A2)-1)	=RIGHT(A2, LEN(A2)-FIND("@", A2, FIND("@", A2)+1))
E2	E2	F2
		E2
		G2 - F2

C4	A	B	C	D	E	F	G	I
1	Text	City	District	State	Position of 1st @	Position of 2nd @	Length of the text	
2	Patel Nagar@Delhi@Delhi	Patel Nagar	Delhi	Delhi	12	18	23	
3	Kaushambi@Ghaziabad@Uttar Pradesh	Kaushambi	Ghaziabad	Uttar Pradesh	10	20	33	
4	Benipur@Darbhanga@Bihar	Benipur			=MID(A4, FIND("@", A4)+1, FIND("@", A4, FIND("@", A4)+1)-FIND("@", A4)-1)		23	
5	Sunder Nagar@Mandi@Himachal	Sunder Nagar	Mandi	Himachal	13	19	27	
6	Kalyan@Thane@Maharashtra	Kalyan	Thane	Maharashtra	7	13	24	
7	Rajouri Garden@Delhi@Delhi	Rajouri Garden	Delhi	Delhi	15	21	26	
8	Indirapuram@Ghaziabad@Uttar Pradesh	Indirapuram	Ghaziabad	Uttar Pradesh	12	22	35	
9	Muzaffarpur@Darbhanga@Bihar	Muzaffarpur	Darbhanga	Bihar	12	22	27	
10	Manali@Mandi@Himachal	Manali	Mandi	Himachal	7	13	21	
11	Thane West@Thane@Maharashtra	Thane West	Thane	Maharashtra	11	17	28	
12	Karol Bagh@Delhi@Delhi	Karol Bagh	Delhi	Delhi	11	17	22	
13	Vaishali@Ghaziabad@Uttar Pradesh	Vaishali	Ghaziabad	Uttar Pradesh	9	19	32	
14	Madhubani@Darbhanga@Bihar	Madhubani	Darbhanga	Bihar	10	20	25	
15	Dharamshala@Mandi@Himachal	Dharamshala	Mandi	Himachal	12	18	26	
16	Borivali@Thane@Maharashtra	Borivali	Thane	Maharashtra	9	15	26	
17	Connaught Place@Delhi@Delhi	Connaught Place	Delhi	Delhi	16	22	27	
18	Crossing Republic@Ghaziabad@Uttar Pradesh	Crossing Republic	Ghaziabad	Uttar Pradesh	18	28	41	
19	Samastipur@Darbhanga@Bihar	Samastipur	Darbhanga	Bihar	11	21	26	

Helper Columns.

Data Validation :

Gender - Male / Female.

Phone No. - 10 digits.

Pin Code - 6 digit.

Phone No. - 10 digits.

Pin Code - 6 digit.

Q1. Amount should be between 1 to 1000.

Step 1 : Select the cell where you want to restrict the user with data validation.

Step 2 : Right click to bring Drop Down option/  
Data > Data Validation.

Step 3 : Apply the data validation rule ,  
where the criteria is "Between".  
put the values 1 & 1000 both inclusive.  
 $\geq 1$  &  $\leq 1000$ .

Criteria	Is between
	1
and	
	1000

Step 4 : To Deal with Advance Options :

Here you reject the input, show  
warning, or customize the error message.

Advanced options

If the data is invalid:

- Show a warning
- Reject the input

Advanced options

- Show help text for a selected cell

Input should be within the range