

Microsoft Excel

Module 35 - Use of H-LOOKUP in MS Excel



CBSE

HLOOKUP Function

In Excel, HLOOKUP (Horizontal Lookup) searches for a value in the top row of a table and returns a value from the same column, but a specified row number within that table.



ICSE

Purpose:

HLOOKUP is used to retrieve data from a table when your lookup values are in the first row (across the top) and you want to find the corresponding value in a specific row below.



NTSE

Syntax:

=HLOOKUP(lookup\_value, table\_array, row\_index\_num, [range\_lookup])



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1. lookup\_value: The value you're searching for in the top row of the table.



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2. table\_array: The range of cells containing your data (including the top row with the lookup values).

3. row\_index\_num: The row number within the table\_array from which to return the value (1 for the first row, 2 for the second, and so on).

4. [range\_lookup] (optional): Specifies whether to find an exact match (FALSE or 0) or an approximate match (TRUE or 1, defaults to TRUE).



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Example:

If you have a table with product names in the first row and prices in the second, and you want to find the price of "Product A", you might use =HLOOKUP("Product A", A1:D2, 2, FALSE).



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When to use HLOOKUP?

Use HLOOKUP when your data is arranged horizontally, with the lookup values in the first row, and you want to retrieve data from a specific row below

In the dataset below, we will look for the marks obtained by Joey in General Awareness using the HLOOKUP function.



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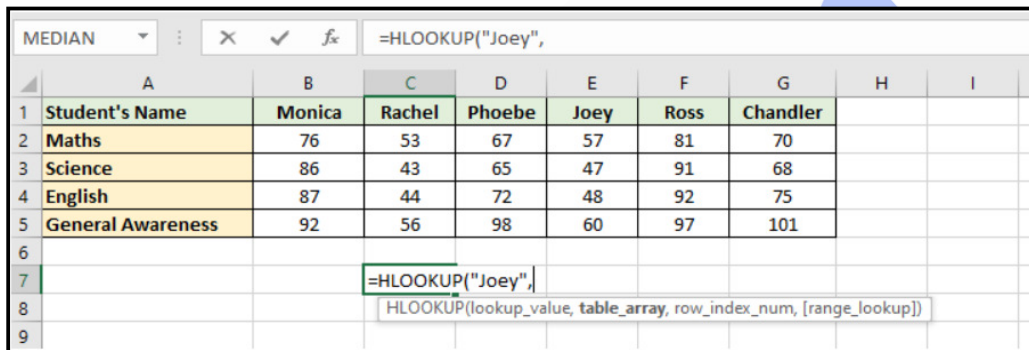
## Use of H-LOOKUP in MS Excel

	A	B	C	D	E	F	G
1	Student's Name	Monica	Rachel	Phoebe	Joey	Ross	Chandler
2	Maths	76	53	67	57	81	70
3	Science	86	43	65	47	91	68
4	English	87	44	72	48	92	75
5	General Awareness	92	56	98	60	97	101
6							
7							

We will start writing our HLOOKUP formula in an empty cell. We will mention the lookup value, which is Joey, here.

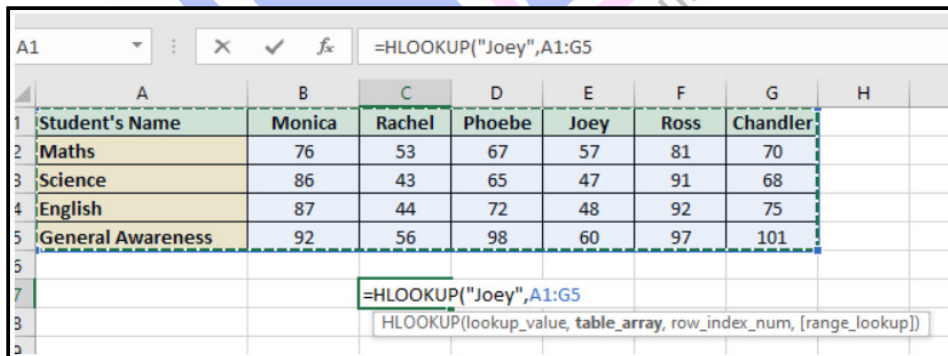
Lookup\_value - Joey.

=HLOOKUP("Joey",



We will have to look through the entire dataset, which spreads from A1 through G5.

table\_array = A1:G5



We have to pick the value from the General Awareness row, which is the 5th row.

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Formula Bar: `=HLOOKUP("Joey",A1:G5,5`

	A	B	C	D	E	F	G	H	I
1	Student's Name	Monica	Rachel	Phoebe	Joey	Ross	Chandler		
2	Maths	76	53	67	57	81	70		
3	Science	86	43	65	47	91	68		
4	English	87	44	72	48	92	75		
5	General Awareness	92	56	98	60	97	101		
6									
7									
8									
9									

Formula Bar: `=HLOOKUP("Joey",A1:G5,5`  
 Tooltip: `HLOOKUP(lookup_value, table_array, row_index_num, [range_lookup])`

row\_index\_num - 5

Now, we need the exact value, and we will use the FALSE command.

Range\_lookup - False or 0

Formula Bar: `=HLOOKUP("Joey",A1:G5,5,FALSE)`

	A	B	C	D	E	F	G	H
1	Student's Name	Monica	Rachel	Phoebe	Joey	Ross	Chandler	
2	Maths	76	53	67	57	81	70	
3	Science	86	43	65	47	91	68	
4	English	87	44	72	48	92	75	
5	General Awareness	92	56	98	60	97	101	
6								
7								
8								

Formula Bar: `=HLOOKUP("Joey",A1:G5,5,FALSE)`

Press Enter to see that the HLOOKUP function has fetched the marks obtained by Joey in General Awareness.

Formula Bar: `=HLOOKUP("Joey",A1:G5,5,FALSE)`

	A	B	C	D	E	F	G
1	Student's Name	Monica	Rachel	Phoebe	Joey	Ross	Chandler
2	Maths	76	53	67	57	81	70
3	Science	86	43	65	47	91	68
4	English	87	44	72	48	92	75
5	General Awareness	92	56	98	60	97	101
6							
7							
8							

Result: 60

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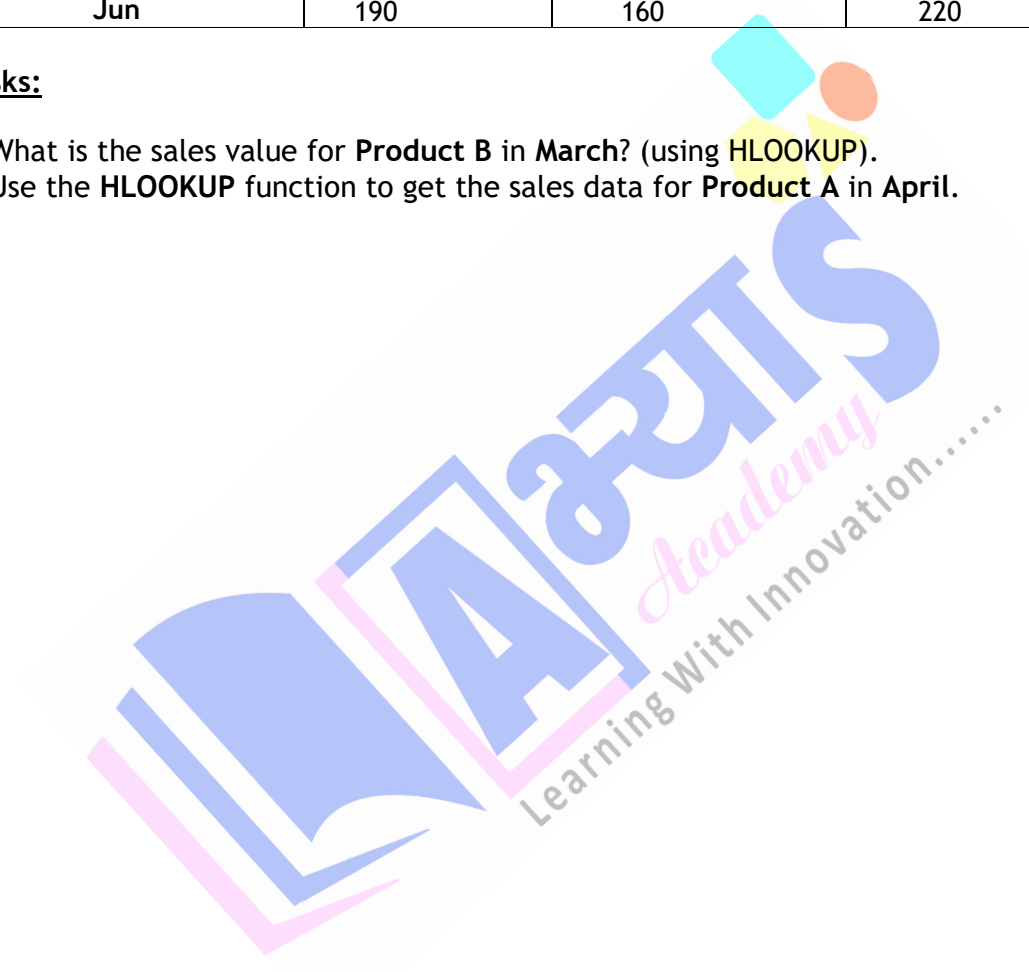
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Assignment:

Month	Product A	Product B	Product C
Jan	120	110	140
Feb	150	130	180
Mar	170	140	200
Apr	160	135	190
May	180	150	210
Jun	190	160	220

Tasks:

1. What is the sales value for **Product B** in **March**? (using HLOOKUP).
2. Use the HLOOKUP function to get the sales data for **Product A** in **April**.



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