

Lab assignment 3

1. Use HLOOKUP to find the sales for Product A in March.

Ans. =HLOOKUP(D1,A1:M7,2,)

The screenshot shows an Excel spreadsheet with a table of sales data. The formula bar at the top displays the formula `=HLOOKUP(D1,A1:M7,2,)`. The table has columns for Product, Jan, Feb, Mar, Apr, May, and monthly sales (qn1. to qn7.). The data is as follows:

Product	Jan	Feb	Mar	Apr	May	qn1.	qn2.	qn3.	qn4.	qn5.	qn6.	qn7.
Product A	120	130	140	150	160	140	130	210	700	190	130	240
Product B	150	160	170	180	190				850			
Product C	200	210	220	230	240				1100			
Product D	90	100	110	120	130				550			
Product E	220	230	240	250	260				1200			
Product F	130	140	150	160	170				750			

2. Use HLOOKUP to find the sales for Product D in May.

Ans. =HLOOKUP(F1,A1:M7,5,)

The screenshot shows the same Excel spreadsheet as before, but with the formula bar updated to `=HLOOKUP(F1,A1:M7,5,)`. The table data remains the same:

Product	Jan	Feb	Mar	Apr	May	qn1.	qn2.	qn3.	qn4.	qn5.	qn6.	qn7.
Product A	120	130	140	150	160	140	130	210	700	190	130	240
Product B	150	160	170	180	190				850			
Product C	200	210	220	230	240				1100			
Product D	90	100	110	120	130				550			
Product E	220	230	240	250	260				1200			
Product F	130	140	150	160	170				750			

3. Use HLOOKUP to find the sales for Product C in February.

Ans. =HLOOKUP(C1,A1:F7,4,)

The screenshot shows an Excel spreadsheet with a table of sales data. The table has columns for Product, Jan, Feb, Mar, Apr, May, and quarterly totals (qn1 to qn7). The formula bar shows the formula =HLOOKUP(C1,A1:F7,4,). The result of the formula is 210, which is the sales value for Product C in February.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Product	Jan	Feb	Mar	Apr	May	qn1.	qn2.	qn3.	qn4.	qn5.	qn6.	qn7.							
2	Product A	120	130	140	150	160	140	130	210	700	190	130	240							
3	Product B	150	160	170	180	190				850										
4	Product C	200	210	220	230	240				1100										
5	Product D	90	100	110	120	130				550										
6	Product E	220	230	240	250	260				1200										
7	Product F	130	140	150	160	170				750										

4. Use HLOOKUP to find the sales for each month for a product, then calculate the total sales for that product.

**Ans. =SUM(HLOOKUP("Jan", \$A\$1:\$F\$7, 2, FALSE),
HLOOKUP("Feb", \$A\$1:\$F\$7, 2, FALSE), HLOOKUP("Mar",
\$A\$1:\$F\$7, 2, FALSE), HLOOKUP("Apr", \$A\$1:\$F\$7, 2,
FALSE), HLOOKUP("May", \$A\$1:\$F\$7, 2, FALSE))**

6. Use HLOOKUP to find the minimum sales value for Product F across all months.

Ans. =MIN(HLOOKUP("Jan", \$A\$1:\$F\$7, 7, FALSE), HLOOKUP("Feb", \$A\$1:\$F\$7, 7, FALSE), HLOOKUP("Mar", \$A\$1:\$F\$7, 7, FALSE), HLOOKUP("Apr", \$A\$1:\$F\$7, 7, FALSE), HLOOKUP("May", \$A\$1:\$F\$7, 7, FALSE))

The screenshot shows an Excel spreadsheet with a table of sales data. The formula bar at the top displays the formula: `=MIN(HLOOKUP("Jan", A1:F7, 7, FALSE), HLOOKUP("Feb", A1:F7, 7, FALSE), HLOOKUP("Mar", A1:F7, 7, FALSE), HLOOKUP("Apr", A1:F7, 7, FALSE), HLOOKUP("May", A1:F7, 7, FALSE))`. The table data is as follows:

	Jan	Feb	Mar	Apr	May	qn1.	qn2.	qn3.	qn4.	qn5.	qn6.	qn7.
Product A	120	130	140	150	160	140	130	210	700	190	130	240
Product B	150	160	170	180	190				850			
Product C	200	210	220	230	240				1100			
Product D	90	100	110	120	130				550			
Product E	220	230	240	250	260				1200			
Product F	130	140	150	160	170				750			

7. Use HLOOKUP to find the average sales value for Product E across all months

Ans. =AVERAGE(HLOOKUP("Jan", \$A\$1:\$F\$7, 6, FALSE), HLOOKUP("Feb", \$A\$1:\$F\$7, 6, FALSE), HLOOKUP("Mar", \$A\$1:\$F\$7, 6, FALSE), HLOOKUP("Apr", \$A\$1:\$F\$7, 6, FALSE), HLOOKUP("May", \$A\$1:\$F\$7, 6, FALSE))

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M2 =AVERAGE(HLOOKUP("Jan", \$A\$1:\$F\$7, 6, FALSE), HLOOKUP("Feb", \$A\$1:\$F\$7, 6, FALSE), HLOOKUP("Mar", \$A\$1:\$F\$7, 6, FALSE), HLOOKUP("Apr", \$A\$1:\$F\$7, 6, FALSE),

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Product	Jan	Feb	Mar	Apr	May	qn1.	qn2.	qn3.	qn4.	qn5.	qn6.	qn7.							
2	Product A	120	130	140	150	160	140	130	210	700	190	130	240							
3	Product B	150	160	170	180	190				850										
4	Product C	200	210	220	230	240				1100										
5	Product D	90	100	110	120	130				550										
6	Product E	220	230	240	250	260				1200										
7	Product F	130	140	150	160	170				750										
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Table 1

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