

Lab Assignment – 2

HLOOKUP Function

HLookUp Exercises

Assume you have the following dataset in an Excel worksheet starting from cell A1:

Worksheet: SalesData

	Jan	Feb	Mar	Apr	May
Product A	120	130	140	150	160
Product B	150	160	170	180	190
Product C	200	210	220	230	240
Product D	90	100	110	120	130
Product E	220	230	240	250	260
Product F	130	140	150	160	170

1. Use HLOOKUP to find the sales for Product A in March.
2. Use HLOOKUP to find the sales for Product D in May.
3. Use HLOOKUP to find the sales for Product C in February.
4. Use HLOOKUP to find the sales for each month for a product, then calculate the total sales for that product.
5. Use HLOOKUP to find the maximum sales value for Product B across all months.
6. Use HLOOKUP to find the minimum sales value for Product F across all months.
7. Use HLOOKUP to find the average sales value for Product E across all months.

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

The screenshot shows an Excel spreadsheet titled "Assignment-2-HLOOKUP function - Excel". The worksheet is named "SalesData". The data is organized as follows:

	Jan	Feb	Mar	Apr	May
Product A	120	130	140	150	160
Product B	150	160	170	180	190
Product C	200	210	220	230	240
Product D	90	100	110	120	130
Product E	220	230	240	250	260
Product F	130	140	150	160	170

The formula bar shows the formula: `=HLOOKUP(Mar,A1:F7,2,0)`. The result of the formula, 140, is displayed in cell H2. A tooltip points to the formula bar with the text "Formula: =HLOOKUP(Mar,A1:F7,2,0)".

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

The screenshot shows an Excel spreadsheet titled "Assignment-2-HLOOKUP function - Excel". The data is organized as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Product N	Jan	Feb	Mar	Apr	May												
2	Product A	120	130	140	150	160												
3	Product B	150	160	170	180	190												
4	Product C	200	210	220	230	240												
5	Product D	90	100	110	120	130												
6	Product E	220	230	240	250	260												
7	Product F	130	140	150	160	170												

In cell I1, the formula `=HLOOKUP(May,A1:F7,5,0)` is entered, resulting in the value 130. A tooltip shows the formula: `=HLOOKUP(May,A1:F7,5,0)`.

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

The screenshot shows an Excel spreadsheet titled "Assignment-2-HLOOKUP function - Excel". The data is organized as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Product Name	Jan	Feb	Mar	Apr	May												
2	Product A	120	130	140	150	160												
3	Product B	150	160	170	180	190												
4	Product C	200	210	220	230	240												
5	Product D	90	100	110	120	130												
6	Product E	220	230	240	250	260												
7	Product F	130	140	150	160	170												

In cell I1, the formula `=HLOOKUP(Feb,A1:F7,4,0)` is entered, resulting in the value 210. A tooltip shows the formula: `=HLOOKUP(Feb,A1:F7,4,0)`.

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

Product Name	Jan	Feb	Mar	Apr	May			Product A sales for each month	Jan	Feb	Mar	Apr	May		
Product A	120	130	140	150	160			Sales	120	130	140	150	160		
Product B	150	160	170	180	190			Total sales for that product A	700						
Product C	200	210	220	230	240										
Product D	90	100	110	120	130			Product B sales for each month	Jan	Feb	Mar	Apr	May		
Product E	220	230	240	250	260			Sales	150	160	170	180	190		
Product F	130	140	150	160	170			Total sales for that product B	850						
								Product C sales for each month	Jan	Feb	Mar	Apr	May		
								Sales	200	210	220	230	240		
								Total sales for that product C	1100						
								Product D sales for each month	Jan	Feb	Mar	Apr	May		
								Sales	90	100	110	120	130		
								Total sales for that product D	550						
								Product E sales for each month	Jan	Feb	Mar	Apr	May		
								Sales	220	230	240	250	260		
								Total sales for that product E	1200						
								Product F sales for each month	Jan	Feb	Mar	Apr	May		
								Sales	130	140	150	160	170		
								Total sales for that product F	750						

Formula:
 1) for finding sales for each month of product
 =HLOOKUP(B1,A1:F7,2,0)
 2) To find the total sales of that product
 =SUM(B2:F2)

Q.5) Use HLOOKUP to find the maximum sales value for Product B across all months.

Assignment-2-HLOOKUP function - Excel																Sakshi Ambavane			
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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q			
1	Product N	Jan	Feb	Mar	Apr	May		Product B sales for each month	Jan	Feb	Mar	Apr	May						
2	Product A	120	130	140	150	160		Sales	150	160	170	180	190						
3	Product B	150	160	170	180	190		Total sales for that product B	850										
4	Product C	200	210	220	230	240		Maximum sales value for Prod B	190										
5	Product D	90	100	110	120	130													
6	Product E	220	230	240	250	260													
7	Product F	130	140	150	160	170													
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Formula:
 1) Product B sales for each month
 =HLOOKUP(B1,A1:F7,3,0)
 2) Total sales for that product B
 =SUM(B3:F3)
 3) Maximum sales value for Prod B
 =MAX(HLOOKUP(B1:F1,A1:F7,3,0))

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

Assignment-2-HLOOKUP function - Excel

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TextBox 1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Product Name	Jan	Feb	Mar	Apr	May			Product E sales for each month	Jan	Feb	Mar	Apr	May			
2	Product A	120	130	140	150	160			Sales	130	140	150	160	170			
3	Product B	150	160	170	180	190			Total sales for that product F	750							
4	Product C	200	210	220	230	240			Minimum sales value for Prod F	130							
5	Product D	90	100	110	120	130											
6	Product E	220	230	240	250	260											
7	Product F	130	140	150	160	170											

Formula:

- 1) Product E sales for each month
=HLOOKUP(B1,A1:F7,7,0)
- 2) Total sales for that product F
=SUM(B7:F7)
- 3) Minimum sales value for Prod F
=MIN(HLOOKUP(B1:F1,A1:F7,7,0))

Activate Windows
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Sales Data Q.1 Q.2 Q.3 Q.4 Q.5 Q.6 Q.7

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

Assignment-2-HLOOKUP function - Excel

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General

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Share

TextBox 1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Product Name	Jan	Feb	Mar	Apr	May			Product F sales for each month	Jan	Feb	Mar	Apr	May			
2	Product A	120	130	140	150	160			Sales	220	230	240	250	260			
3	Product B	150	160	170	180	190			Total sales for that product E	1200							
4	Product C	200	210	220	230	240			Average sales value for Prod E	240							
5	Product D	90	100	110	120	130											
6	Product E	220	230	240	250	260											
7	Product F	130	140	150	160	170											

Formula:

- 1) Product E sales for each month
=HLOOKUP(B1,A1:F7,6,0)
- 2) Total sales for that product E
=SUM(B6:F6)
- 3) Average sales value for Prod E
=AVERAGE(HLOOKUP(B1:F1,A1:F7,6,0))

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Sales Data Q.1 Q.2 Q.3 Q.4 Q.5 Q.6 Q.7

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