

# Data Visualization

## Assignment on Hlookup

Product Name	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.

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

Product\_Sales\_Data - Excel

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G2  $\text{=HLOOKUP(D1,A1:F7,2,TRUE)}$

	A	B	C	D	E	F	G	H
1	Product Name	Jan	Feb	Mar	Apr	May	Product A Sales in March	
2	Product A	120	130	140	150	160	140	
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		

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

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G2  $\text{=HLOOKUP(F1,A1:F7,5,TRUE)}$

	A	B	C	D	E	F	G	H
1	Product Name	Jan	Feb	Mar	Apr	May	Product D Sales in May	
2	Product A	120	130	140	150	160	130	
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		

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

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

Product\_Sales\_Data - Excel

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H2  $=\text{MAX}(\text{HLOOKUP}(\text{B1:F1}, \text{A1:F7}, 3, \text{FALSE}))$

	A	B	C	D	E	F	G	H
1	Product Name	Jan	Feb	Mar	Apr	May	Total Sales	Maximum sales of Product B
2	Product A	120	130	140	150	160	700	190
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	
8								
9								

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

Product\_Sales\_Data - Excel

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H2  $=\text{MIN}(\text{HLOOKUP}(\text{B1:F1}, \text{A1:F7}, 7, \text{FALSE}))$

	A	B	C	D	E	F	G	H
1	Product Name	Jan	Feb	Mar	Apr	May	Total Sales	Minimum sales of Product F
2	Product A	120	130	140	150	160	700	130
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	
8								
9								

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