

Lab Assignment 3

Dataset Given

	A	B	C	D	E	F
1	Sales Data					
2						
3	Product	Jan	Feb	Mar	Apr	May
4	Product A	120	130	140	150	160
5	Product B	150	160	170	180	190
6	Product C	200	210	220	230	240
7	Product D	90	100	110	120	130
8	Product E	220	230	240	250	260
9	Product F	130	140	150	160	170

Q1. Use HLOOKUP to find the sales for Product A in March.

Ans. Formula Used: =HLOOKUP("Mar",A3:F9,2,FALSE)

Output Obtained: Sales of Product A in March = 140

	A	B	C	D	E	F
1	Sales Data					
2						
3	Product	Jan	Feb	Mar	Apr	May
4	Product A	120	130	140	150	160
5	Product B	150	160	170	180	190
6	Product C	200	210	220	230	240
7	Product D	90	100	110	120	130
8	Product E	220	230	240	250	260
9	Product F	130	140	150	160	170
10						
11		Q1				
12		Sales of Product A in March				
13		140				

Q2. Use HLOOKUP to find the sales for Product D in May.

Ans. Formula Used: =HLOOKUP("May",A3:F9,5,FALSE)

Output Obtained: Sales of Product D in May = 130

	A	B	C	D	E	F
1	Sales Data					
2						
3	Product	Jan	Feb	Mar	Apr	May
4	Product A	120	130	140	150	160
5	Product B	150	160	170	180	190
6	Product C	200	210	220	230	240
7	Product D	90	100	110	120	130
8	Product E	220	230	240	250	260
9	Product F	130	140	150	160	170
10						
11		Q2				
12		Sales of Product D in May				
13		130				

Q3. Use HLOOKUP to find the sales for Product C in February.

Ans. Formula Used: =HLOOKUP("Feb",A3:F9,4)

Output Obtained: Sales of Product C in February = 210

	A	B	C	D	E	F
1	Sales Data					
2						
3	Product	Jan	Feb	Mar	Apr	May
4	Product A	120	130	140	150	160
5	Product B	150	160	170	180	190
6	Product C	200	210	220	230	240
7	Product D	90	100	110	120	130
8	Product E	220	230	240	250	260
9	Product F	130	140	150	160	170
10						
11		Q3				
12		Sales of Product C in February				
13		210				

Q4. Use HLOOKUP to find the sales for each month for a product, then calculate the total sales for that product.

Ans. Here, we will be calculating the total sales made for each Product
Formula Used:

- Product A:
=SUM(HLOOKUP("Jan",A3:F9,2,FALSE),HLOOKUP("Feb",A3:F9,2,FALSE),HLOOKUP("Mar",A3:F9,2,FALSE),HLOOKUP("Apr",A3:F9,2,FALSE),HLOOKUP("May",A3:F9,2,FALSE))
- Product B:
=SUM(HLOOKUP("Jan",A3:F9,3,FALSE),HLOOKUP("Feb",A3:F9,3,FALSE),HLOOKUP("Mar",A3:F9,3,FALSE),HLOOKUP("Apr",A3:F9,3,FALSE),HLOOKUP("May",A3:F9,3,FALSE))
- Product C:
=SUM(HLOOKUP("Jan",A3:F9,4,FALSE),HLOOKUP("Feb",A3:F9,4,FALSE),HLOOKUP("Mar",A3:F9,4,FALSE),HLOOKUP("Apr",A3:F9,4,FALSE),HLOOKUP("May",A3:F9,4,FALSE))
- Product D:
=SUM(HLOOKUP("Jan",A3:F9,5,FALSE),HLOOKUP("Feb",A3:F9,5,FALSE),HLOOKUP("Mar",A3:F9,5,FALSE),HLOOKUP("Apr",A3:F9,5,FALSE),HLOOKUP("May",A3:F9,5,FALSE))
- Product E:
=SUM(HLOOKUP("Jan",A3:F9,6,FALSE),HLOOKUP("Feb",A3:F9,6,FALSE),HLOOKUP("Mar",A3:F9,6,FALSE),HLOOKUP("Apr",A3:F9,6,FALSE),HLOOKUP("May",A3:F9,6,FALSE))
- Product F:
=SUM(HLOOKUP("Jan",A3:F9,7,FALSE),HLOOKUP("Feb",A3:F9,7,FALSE),HLOOKUP("Mar",A3:F9,7,FALSE),HLOOKUP("Apr",A3:F9,7,FALSE),HLOOKUP("May",A3:F9,7,FALSE))

Output Obtained:

	A	B	C	D	E	F	G	H
1	Sales Data							
2							Q4	
3	Product	Jan	Feb	Mar	Apr	May	Total Sales per Product	
4	Product A	120	130	140	150	160	Product A	700
5	Product B	150	160	170	180	190	Product B	850
6	Product C	200	210	220	230	240	Product C	1100
7	Product D	90	100	110	120	130	Product D	550
8	Product E	220	230	240	250	260	Product E	1200
9	Product F	130	140	150	160	170	Product F	750

Q5. Use HLOOKUP to find the maximum sales value for Product B across all months.

Ans. Formula Used:

=MAX(HLOOKUP("Jan",A3:F9,3,FALSE),HLOOKUP("Feb",A3:F9,3,FALSE),HLOOKUP("Mar",A3:F9,3,FALSE),HLOOKUP("Apr",A3:F9,3,FALSE),HLOOKUP("May",A3:F9,3,FALSE))

Output Obtained: Max sales for Product B across all months = 190

	A	B	C	D	E	F
1	Sales Data					
2						
3	Product	Jan	Feb	Mar	Apr	May
4	Product A	120	130	140	150	160
5	Product B	150	160	170	180	190
6	Product C	200	210	220	230	240
7	Product D	90	100	110	120	130
8	Product E	220	230	240	250	260
9	Product F	130	140	150	160	170
10						
11		Q5				
12		Max sales for product B across all months				
13		190				

Q6. Use HLOOKUP to find the minimum sales value for Product F across all months.

Ans. Formula Used:

=MIN(HLOOKUP("Jan",A3:F9,7,FALSE),HLOOKUP("Feb",A3:F9,7,FALSE),HLOOKUP("Mar",A3:F9,7,FALSE),HLOOKUP("Apr",A3:F9,7,FALSE),HLOOKUP("May",A3:F9,7,FALSE))

Output Obtained: Min sales for Product F across all months = 130

	A	B	C	D	E	F
1	Sales Data					
2						
3	Product	Jan	Feb	Mar	Apr	May
4	Product A	120	130	140	150	160
5	Product B	150	160	170	180	190
6	Product C	200	210	220	230	240
7	Product D	90	100	110	120	130
8	Product E	220	230	240	250	260
9	Product F	130	140	150	160	170
10						
11		Q6				
12		Min sales for product F across all months				
13		130				

Q7. Use HLOOKUP to find the average sales value for Product E across all months.

Ans. Formula Used:

=AVERAGE(HLOOKUP("Jan",A3:F9,6,FALSE),HLOOKUP("Feb",A3:F9,6,FALSE),HLOOKUP("Mar",A3:F9,6,FALSE),HLOOKUP("Apr",A3:F9,6,FALSE),HLOOKUP("May",A3:F9,6,FALSE))

Output Obtained: Average Sales for Product E across all months = 240

	A	B	C	D	E	F
1	Sales Data					
2						
3	Product	Jan	Feb	Mar	Apr	May
4	Product A	120	130	140	150	160
5	Product B	150	160	170	180	190
6	Product C	200	210	220	230	240
7	Product D	90	100	110	120	130
8	Product E	220	230	240	250	260
9	Product F	130	140	150	160	170
10						
11		Q7				
12		Average Sales for product E across all months				
13		240				