

LAB ASSIGNMENT 4




1. Use INDEX and MATCH to find the sales for Product C in March. ANSWER: =INDEX(D2:H7,MATCH(B4,B2:B7,0),3)

Clipboard

Font

Alignment

2



=INDEX(D2:H7,MATCH(B4,B2:B7,0),3)

A	B	C	D	E	F	G	H	I	J
ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales		QUESTION 1. Q
101	PROD A	Electronics	120	130	140	150	160		220
102	PROD B	Furniture	150	160	170	180	190		
103	PROD C	Electronics	200	210	220	230	240		
104	PROD D	Clothing	90	100	110	120	130		
105	PROD E	Furniture	220	230	240	250	260		
106	PROD F	Electronics	130	140	150	160	170		




1. Use INDEX and MATCH to find the sales for Product C in March.

2. Use INDEX and MATCH to find the category for Product E.

ANSWER: =INDEX(C2:C7, MATCH(B5, B2:B7, 0))

Clipboard			Font			Alignment				
2			X ✓ fx			=INDEX(C2:C7, MATCH(B5, B2:B7, 0))				
A	B	C	D	E	F	G	H	I	J	K
ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales		QUESTION 1.	QUESTION 2. Q
101	PROD A	Electronics	120	130	140	150	160		220	Clothing
102	PROD B	Furniture	150	160	170	180	190			
103	PROD C	Electronics	200	210	220	230	240			
104	PROD D	Clothing	90	100	110	120	130			
105	PROD E	Furniture	220	230	240	250	260			
106	PROD F	Electronics	130	140	150	160	170			
1. Use INDEX and MATCH to find the sales for Product C in March.										
2. Use INDEX and MATCH to find the category for Product E.										

3. Use INDEX and MATCH to find the maximum sales for Product B across all months. ANSWER: =MAX(INDEX(D2:H7,MATCH(B3,B2:B7,0),0))

L2		  		=MAX(INDEX(D2:H7,MATCH(B3,B2:B7,0),0))								
	A	B	C	D	E	F	G	H	I	J	K	L
1	ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales		QUESTION 1.	QUESTION 2.	QUESTION 3.QU
2	101	PROD A	Electronics	120	130	140	150	160		220	Clothing	190
3	102	PROD B	Furniture	150	160	170	180	190				
4	103	PROD C	Electronics	200	210	220	230	240				
5	104	PROD D	Clothing	90	100	110	120	130				
6	105	PROD E	Furniture	220	230	240	250	260				
7	106	PROD F	Electronics	130	140	150	160	170				
8												
9												

4. Use INDEX and MATCH to find the month with the maximum sales for Product A.

ANSWER: =INDEX(D2:H2, MATCH(MAX(INDEX(D3:H8, MATCH(B3, B3:B8, 0), 0)), INDEX(D3:H8, MATCH(B3, B3:B8, 0), 0), 0))

Clipboard		Font		Alignment		Number		Styles						
V3				=INDEX(D2:H2, MATCH(MAX(INDEX(D3:H8, MATCH(B3, B3:B8, 0)), INDEX(D3:H8, MATCH(B3, B3:B8, 0), 0)), 0))										
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales		QUESTION 1	QUESTION 2	QUESTION 3	QUESTION 4	QUESTION 5	QUESTION 6
101	PROD A	Electronics	120	130	140	150	160			220	Clothing	190	May Sales	540
102	PROD B	Furniture	150	160	170	180	190					160		110
103	PROD C	Electronics	200	210	220	230	240							
104	PROD D	Clothing	90	100	110	120	130							
105	PROD E	Furniture	220	230	240	250	260							
106	PROD F	Electronics	130	140	150	160	170							
1 Use INDEX and MATCH to find the sales for Product C in March.														
2 Use INDEX and MATCH to find the category for Product E.														
3 Use INDEX and MATCH to find the maximum sales for Product B across all months.														
4 Use INDEX and MATCH to find the month with the maximum sales for Product A.														
5 Use INDEX, MATCH, and SUMIF to sum the sales for all products in the "Electronics" category for April.														
6 Use INDEX and MATCH to calculate the average sales for Product D across all months.														
7 Use INDEX and MATCH to find the sales for Product ID 105 in May.														
8 Use INDEX and MATCH to create a dynamic lookup where the user can input a product and a month, and the formula returns the corresponding sales														

8. Use INDEX and MATCH to create a dynamic lookup where the user can input a product and amonth, and the formula returns the corresponding sales
ANSWER: =INDEX(D2:H7,MATCH(Q2,B2:B7,0),MATCH(Q3,D1:H1,0))

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