DATA VISUALIZATION

Lab Assignment-4

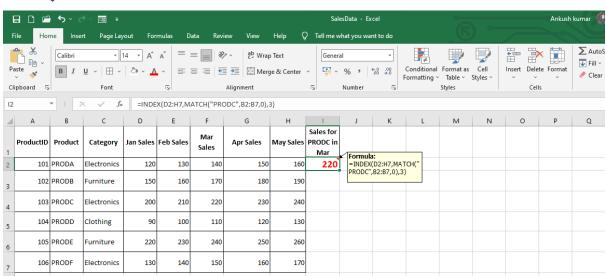
Topic – Index & Match Function

<u>Assume you have the following dataset in an Excel worksheet starting from cell</u>

Worksheet: Sales Data

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





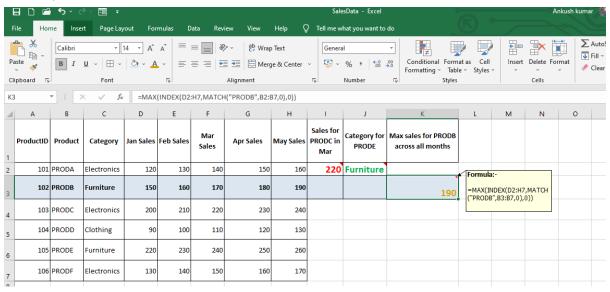
2. Use INDEX and MATCH to find the category for Product E.



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J2		T : 7	√ f _x	=INDE	X(C2:C7,M	ATCH("PRO	DDE",B2:B7,0))												
4	Α	В	С	D	E	F	G	н	1	J		K	L	М	N	0	Р	Q	
1	ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales	Sales for PRODC in Mar	Category for PRODE		Formula	1*-						
2	101	PRODA	Electronics	120	130	140	150	160	220	Furniture		=INDEX(C2:C7,MATCH("							
3	102	PRODB	Furniture	150	160	170	180	190					(C2:C7,MA I ,B2:B7,0))	CH(
4	103	PRODC	Electronics	200	210	220	230	240			Ľ								
5	104	PRODD	Clothing	90	100	110	120	130											
6	105	PRODE	Furniture	220	230	240	250	260											
7	106	PRODF	Electronics	130	140	150	160	170											

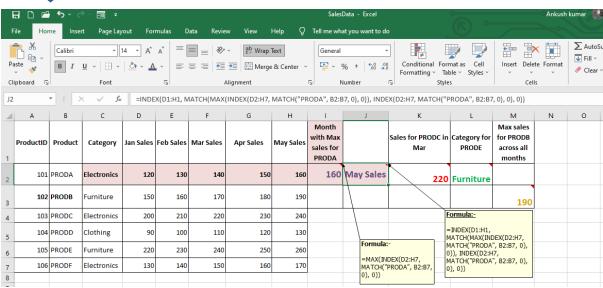
3. Use INDEX and MATCH to find the maximum sales for Product B across all months.



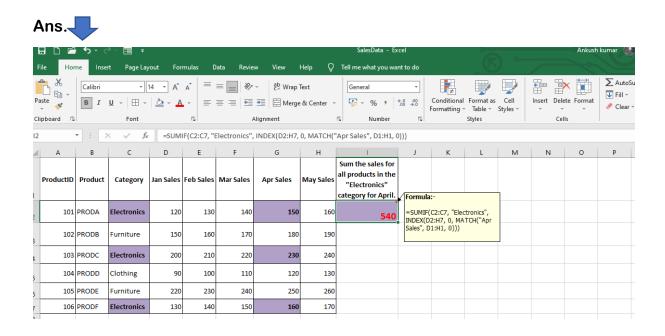


4. Use INDEX and MATCH to find the month with the maximum sales for Product A.

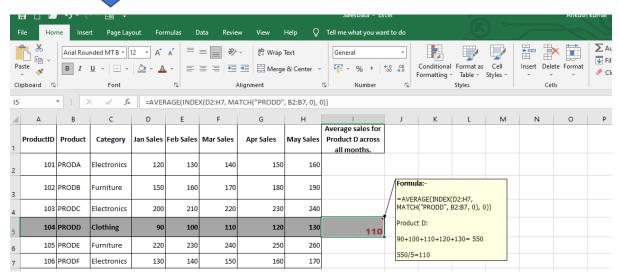




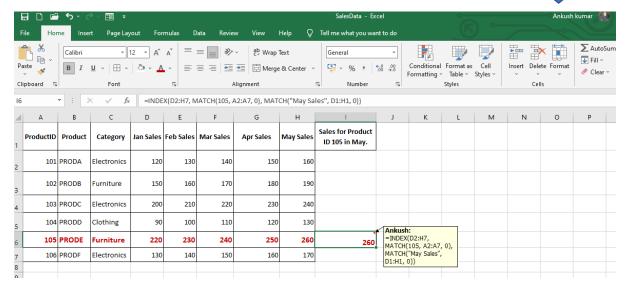
5. Use INDEX, MATCH, and SUMIF to sum the sales for all products in the "Electronics" category for April



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. I give you two example that show different user output which is given by user.

