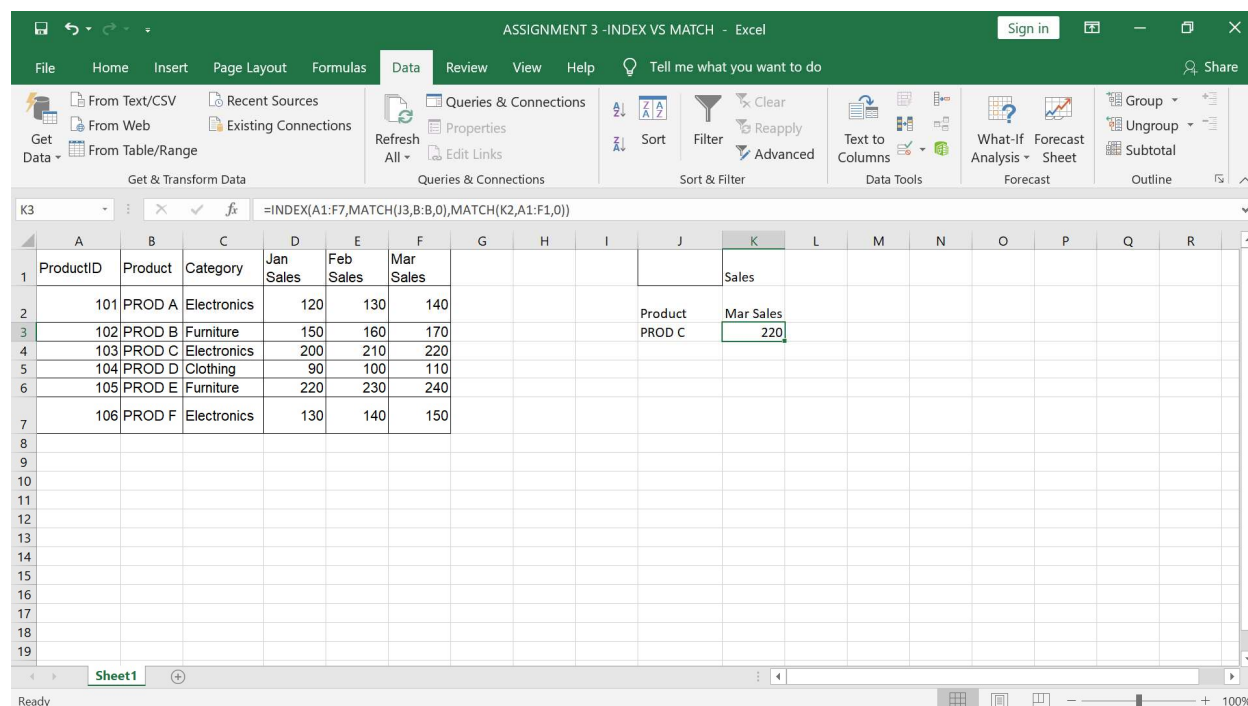


ASSIGNMENT 3 – INDEX VS MATCH

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

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

Formula Used : **=INDEX(A1:F7,MATCH(J3,B:B,0),MATCH(K2,A1:F1,0))**

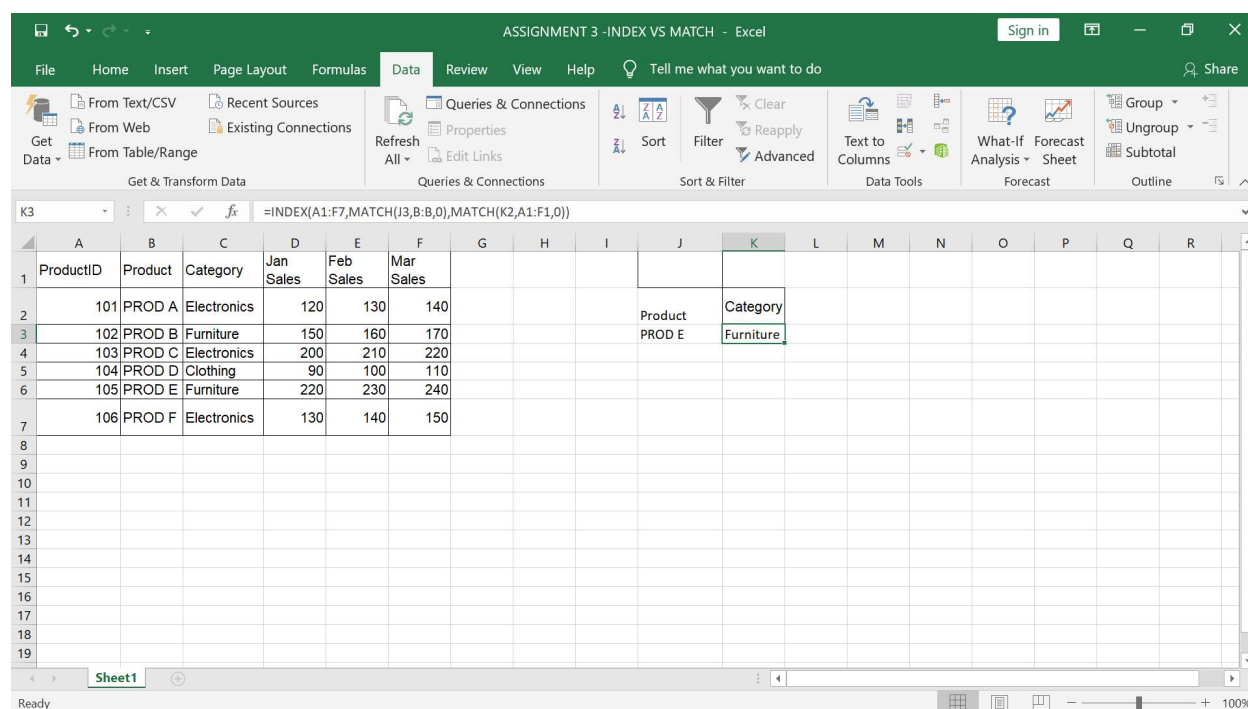


Excel screenshot showing the formula **=INDEX(A1:F7,MATCH(J3,B:B,0),MATCH(K2,A1:F1,0))** in cell K3. The formula bar shows the formula. The spreadsheet shows a table with columns A to F and rows 1 to 7. Cell K3 contains the value 220.

ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales
101	PROD A	Electronics	120	130	140
102	PROD B	Furniture	150	160	170
103	PROD C	Electronics	200	210	220
104	PROD D	Clothing	90	100	110
105	PROD E	Furniture	220	230	240
106	PROD F	Electronics	130	140	150

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

Formula Used : **=INDEX(A1:F7,MATCH(J3,B:B,0),MATCH(K2,A1:F1,0))**



Excel screenshot showing the formula **=INDEX(A1:F7,MATCH(J3,B:B,0),MATCH(K2,A1:F1,0))** in cell K3. The formula bar shows the formula. The spreadsheet shows a table with columns A to F and rows 1 to 7. Cell K3 contains the value Furniture.

ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales
101	PROD A	Electronics	120	130	140
102	PROD B	Furniture	150	160	170
103	PROD C	Electronics	200	210	220
104	PROD D	Clothing	90	100	110
105	PROD E	Furniture	220	230	240
106	PROD F	Electronics	130	140	150

Formula Used : **=MAX(INDEX(D2:F7, MATCH("PROD B", B2:B7, 0), 0))**

[illegible]

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

Formula Used :

=SUMIF(C2:C7, "Electronics", INDEX(D2:H7, 0, MATCH("April Sales", D1:H1, 0)))

ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	April Sales	May Sales
101	PROD A	Electronics	120	130	140	150	160
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

Category	Total Sale
Electronics	540

6. Use INDEX and MATCH to calculate the average sales for Product D across all months.

Formula Used : **=AVERAGE(INDEX(D2:H7, MATCH("PROD D", B2:B7, 0), 0))**

ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	April Sales	May Sales
101	PROD A	Electronics	120	130	140	150	160
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

Product	Avg sales
Product D	110

Formula Used : **=INDEX(D2:H7, MATCH(105, A2:A7, 0), MATCH("May Sales", D1:H1, 0))**

Ready 100%

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

Dynamic Lookup for Product and Month

Product	Month	Sales	
PROD A	Jan Sales		
PROD A	Jan Sales		
PROD B	Jan Sales		
PROD C	Jan Sales		
PROD D	Jan Sales		
PROD E	Jan Sales		
PROD F	Jan Sales		

Formula Used: **=INDEX(D2:H7,MATCH(J3,B2:B7,0),MATCH(K3,D1:H1,0))**

ASSIGNMENT 3 - INDEX VS MATCH - Excel

File Home Insert Page Layout Formulas Data Review View Help Tell me what you want to do

Get Data From Text/CSV Recent Sources From Web Existing Connections Refresh All Queries & Connections Properties Edit Links Sort Filter Clear Reapply Advanced Text to Columns What-If Analysis Forecast Sheet Group Ungroup Subtotal

Get & Transform Data Queries & Connections Sort & Filter Data Tools Forecast Outline

L3 =INDEX(D2:H7,MATCH(J3,B2:B7,0),MATCH(K3,D1:H1,0))

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
	ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	April Sales	May Sales		Product	Month	Sales						
2	101	PROD A	Electronics	120	130	140	150	160		PROD A	Jan Sales	120						
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										

Sheet1

Ready