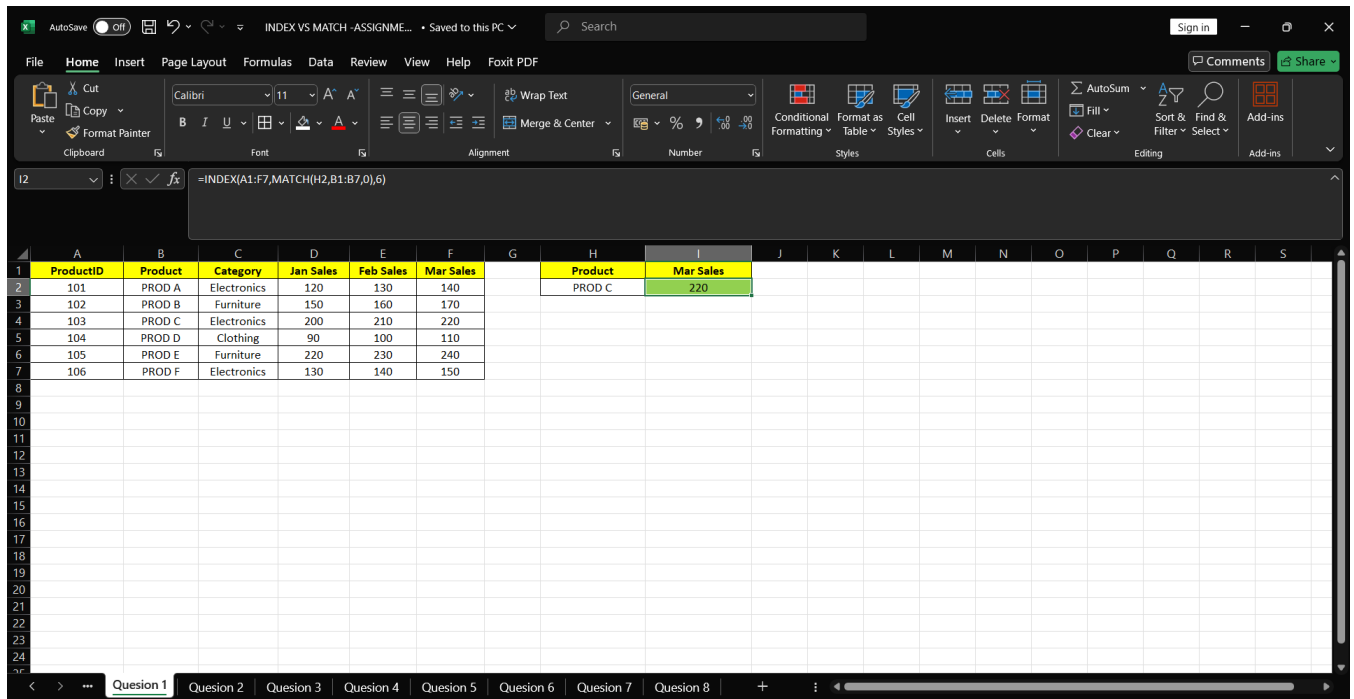


# INDEX VS MATCH LAB ASSIGNMENT – 3

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

Ans . =INDEX(A1:F7,MATCH(H2,B1:B7,0),6)



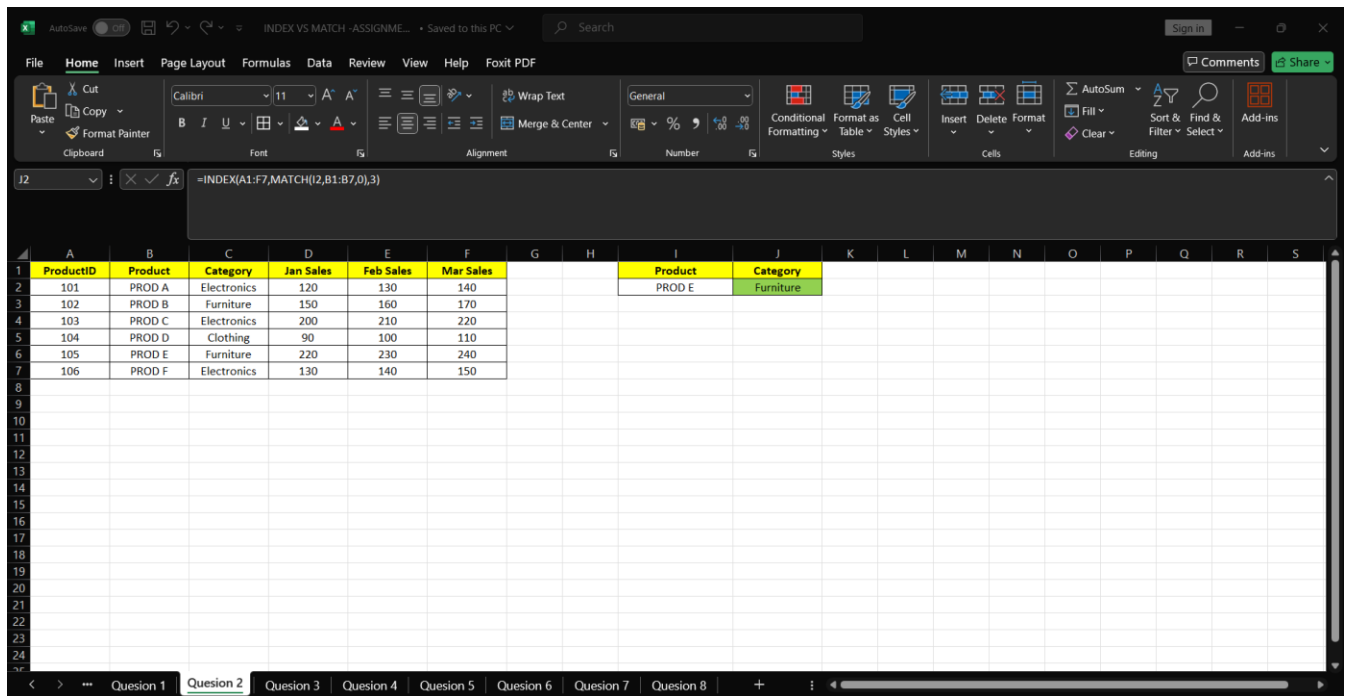
The screenshot shows an Excel spreadsheet with the following data:

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

The formula bar shows the formula: =INDEX(A1:F7,MATCH(H2,B1:B7,0),6). The spreadsheet shows the result of the formula in cell I2, which is 220.

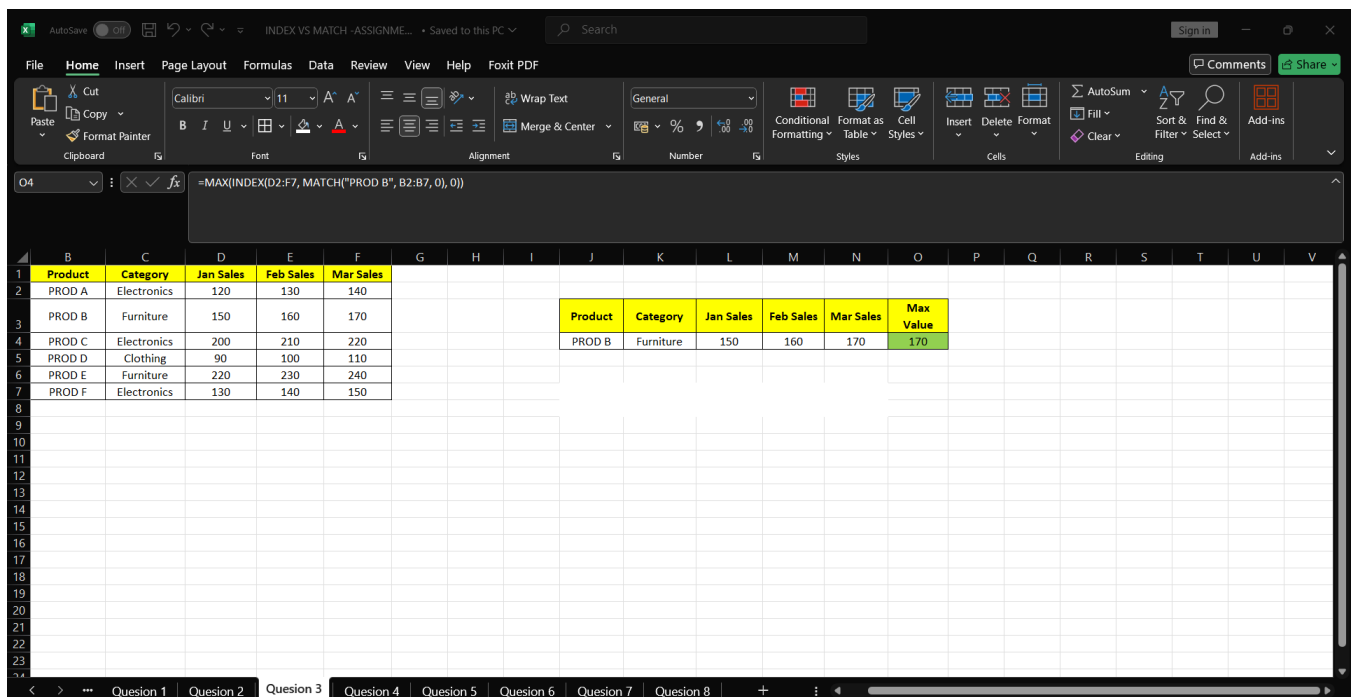
2 ) 2. Use INDEX and MATCH to find the category for Product E.

Ans . =INDEX(A1:F7,MATCH(I2,B1:B7,0),3)



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

Ans . `=MAX(INDEX(D2:F7, MATCH("PROD B", B2:B7, 0), 0))`



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

Ans . =MAX(INDEX(D2:F7,MATCH("PROD A",B2:B7,0),0))

The screenshot shows an Excel spreadsheet with the following data:

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

The formula bar shows the formula: `=MAX(INDEX(D2:F7,MATCH("PROD A",B2:B7,0),0))`

The spreadsheet also includes a second table on the right side:

ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Month with the maximum sales
101	PROD A	Electronics	120	130	140	140

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

Ans .

=SUMIF(C2:C7,"Electronics",INDEX(D2:G7,,MATCH("April Sales",D1:G1,0)))

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fx =SUMIF(C2:C7,"Electronics",INDEX(D2:G7,MATCH("Apr Sales",D1:G1,0)))

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales													
2	101	PROD A	Electronics	120	130	140	150	540												
3	102	PROD B	Furniture	150	160	170	180													
4	103	PROD C	Electronics	200	210	220	230													
5	104	PROD D	Clothing	90	100	110	120													
6	105	PROD E	Furniture	220	230	240	250													
7	106	PROD F	Electronics	130	140	150	160													

Question 1 Question 2 Question 3 Question 4 Question 5 Question 6 Question 7 Question 8

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

Ans . =AVERAGE(INDEX(D2:F7,MATCH("PROD D",B2:B7,0),))

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fx =AVERAGE(INDEX(D2:F7,MATCH("PROD D",B2:B7,0),))

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales		Product	Category	Jan Sales	Feb Sales	Mar Sales	Average sales for Product D					
2	101	PROD A	Electronics	120	130	140		PROD D	Clothing	90	100	110	100					
3	102	PROD B	Furniture	150	160	170												
4	103	PROD C	Electronics	200	210	220												
5	104	PROD D	Clothing	90	100	110												
6	105	PROD E	Furniture	220	230	240												
7	106	PROD F	Electronics	130	140	150												

Question 1 Question 2 Question 3 Question 4 Question 5 Question 6 Question 7 Question 8

7 ) Use INDEX and MATCH to find the sales for Product ID 105 in May.

Ans . =INDEX(H2:H7,MATCH(A6,A2:A7,0))

Q2

=INDEX(H2:H7,MATCH(A6,A2:A7,0))

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales		ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales		
2	101	PROD A	Electronics	120	130	140	150	160		105	PROD E	Furniture	220	230	240	250	250		
3	102	PROD B	Furniture	150	160	170	180	100											
4	103	PROD C	Electronics	200	210	220	230	165											
5	104	PROD D	Clothing	90	100	110	120	150											
6	105	PROD E	Furniture	220	230	240	250	250											
7	106	PROD F	Electronics	130	140	150	160	120											
8																			
9																			
10																			
11																			
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Question 1 Question 2 Question 3 Question 4 Question 5 Question 6 Question 7 Question 8