Index and Match Function Assignment

Worksheet:

Product ID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales
101	Product A	Electronics	120	130	140	150	160
102	Product B	Furniture	150	160	170	180	190
103	Product C	Electronics	200	210	220	230	240
104	Product D	Clothing	90	100	110	120	130
105	Product E	Furniture	220	230	240	250	260
106	Product F	Electronics	130	140	150	160	170

Questions:

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.

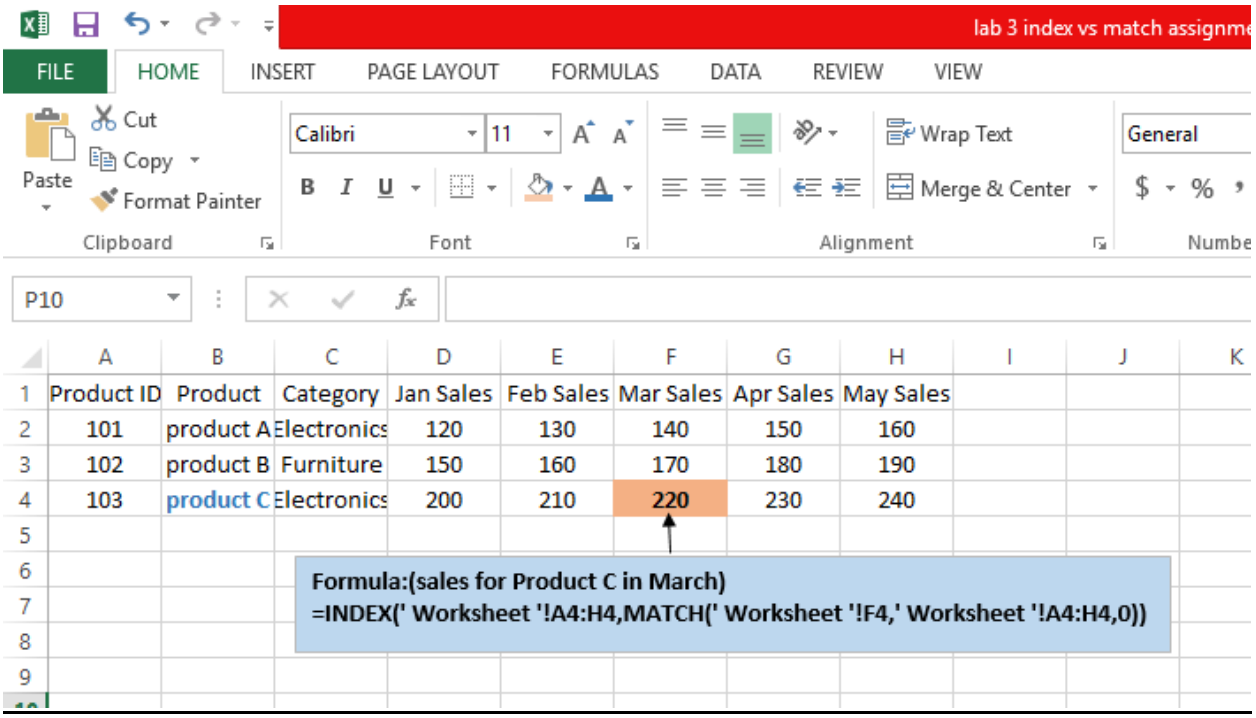
6. Use INDEX and MATCH to calculate the average sales for Product D across all months.

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

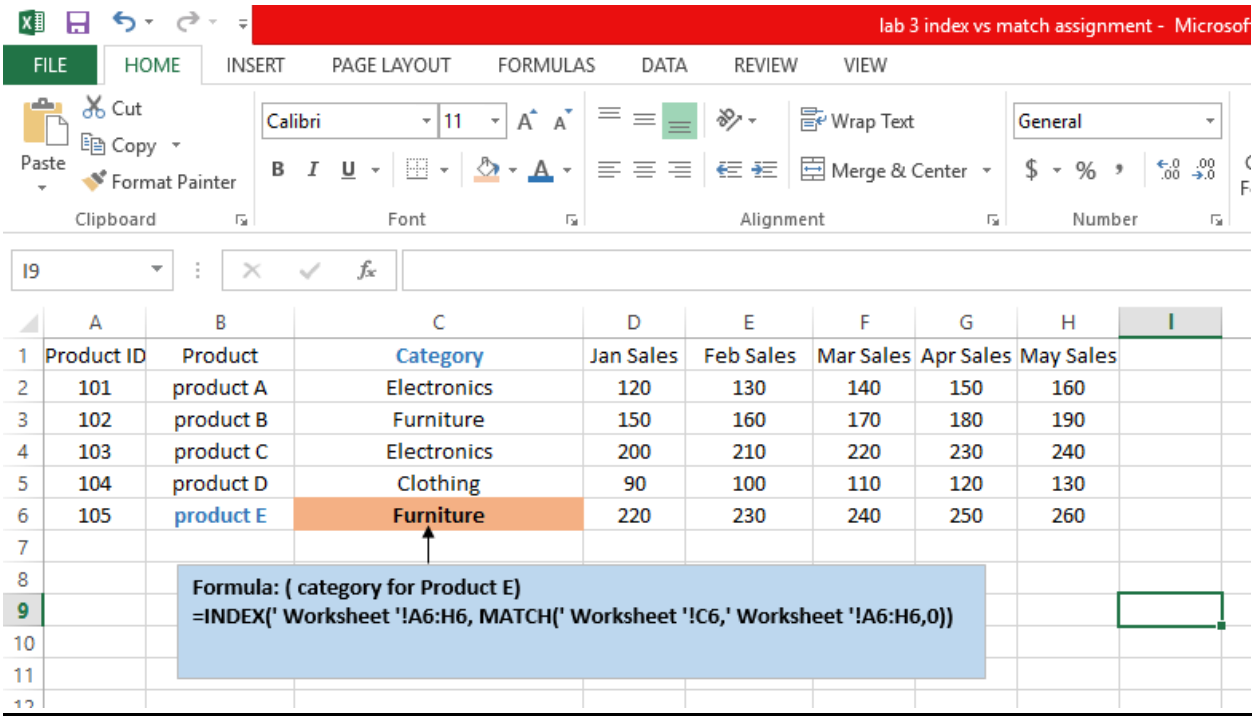
8. Use INDEX and MATCH to create a dynamic lookup where the user can input a product and a month, and the formula retums the corresponding sales.

Answer

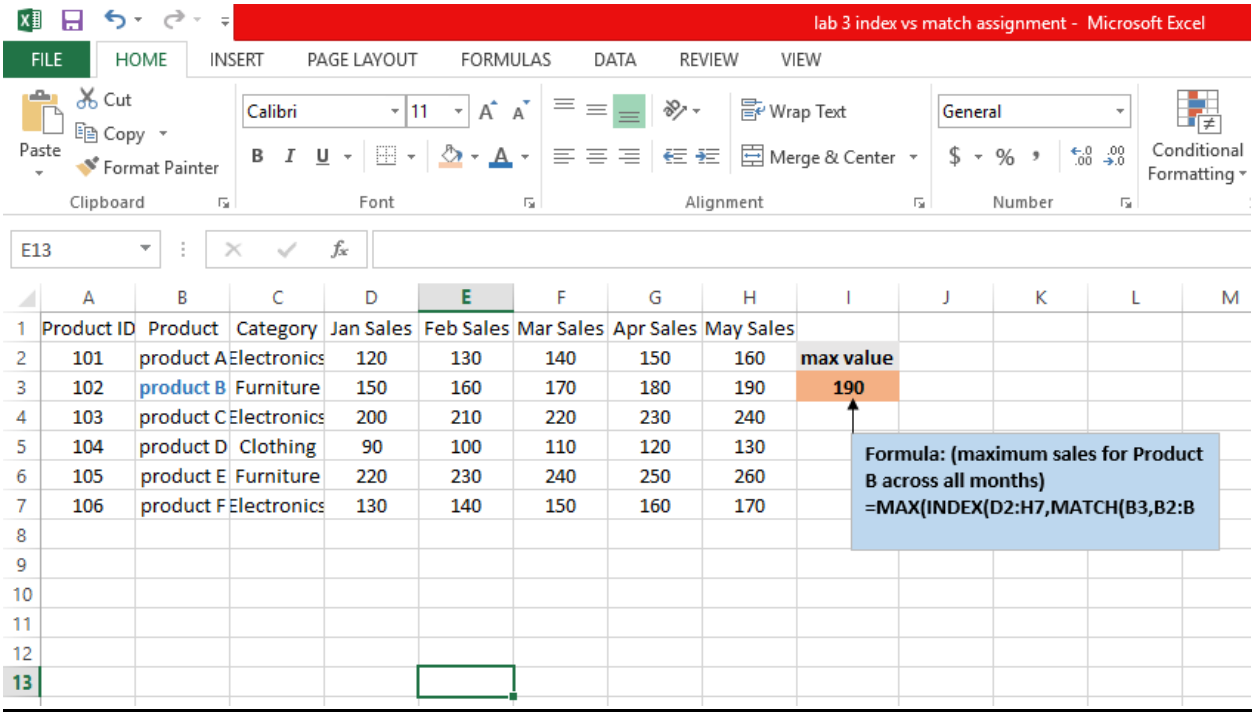
1. **Use INDEX and MATCH to find the sales for Product C in March.**



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

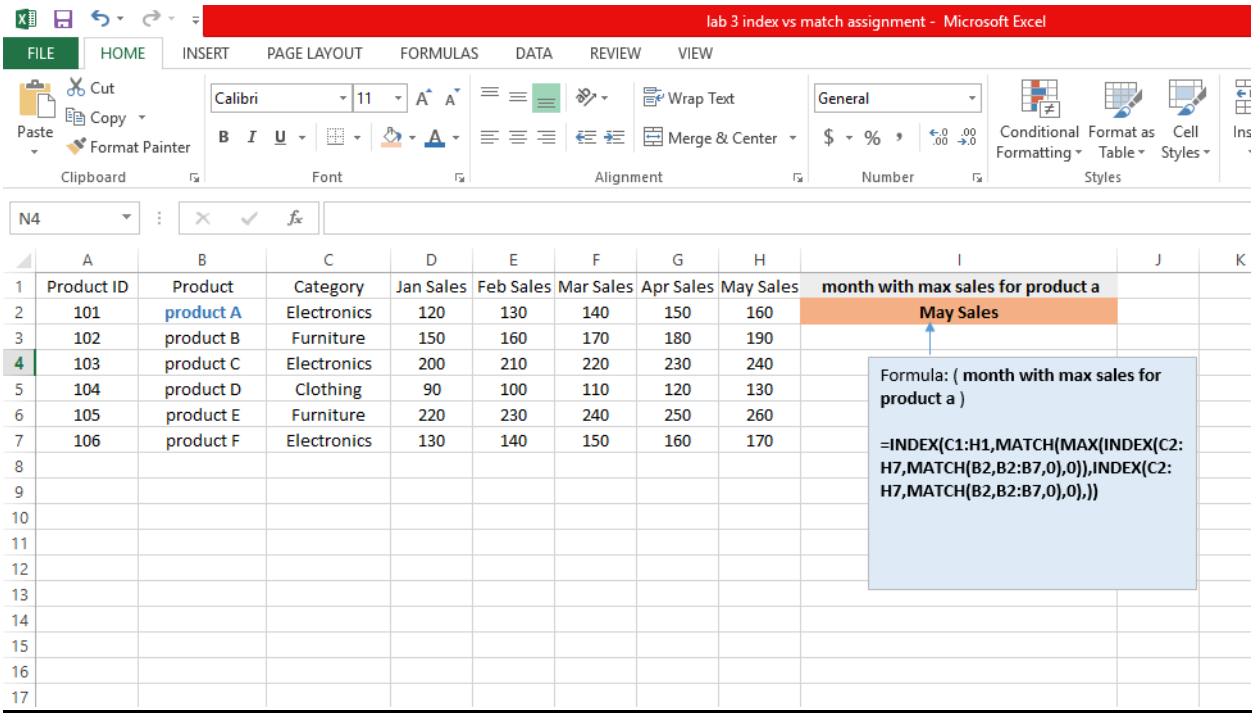


3. **Use INDEX and MATCH to find the maximum sales for Product B across all months.**



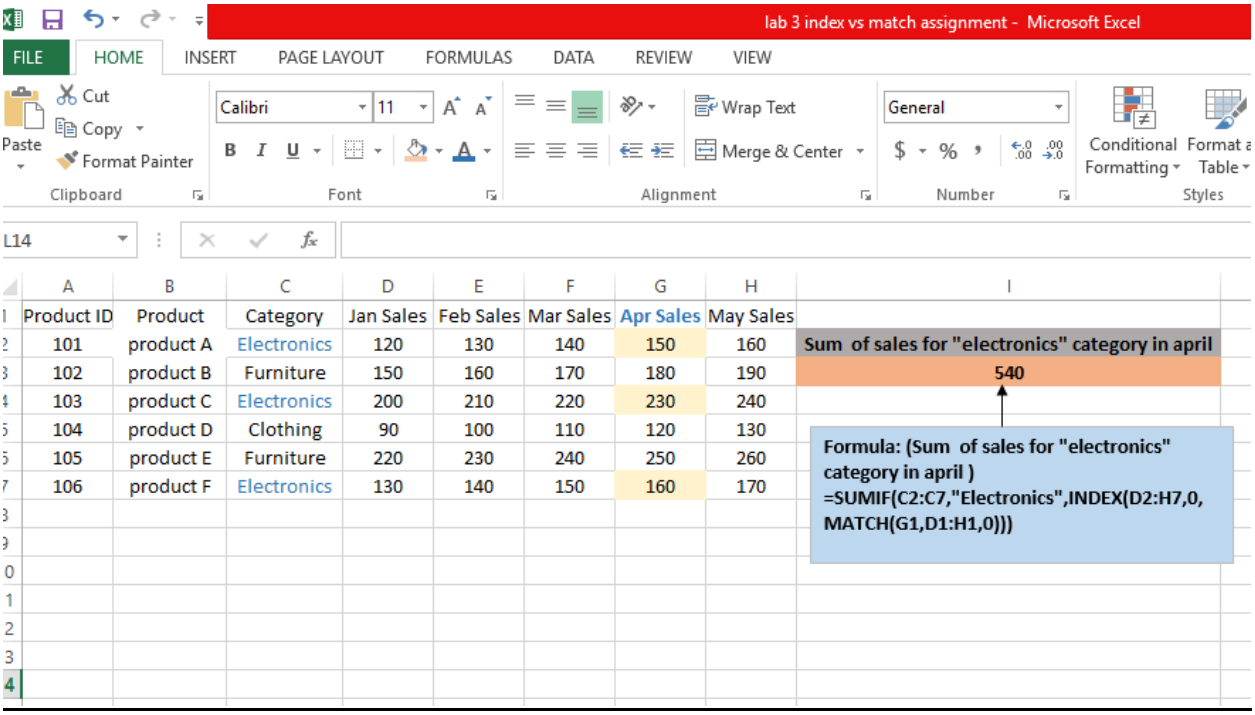
	A	B	C	D	E	F	G	H	I
1	Product ID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales	
2	101	product A	Electronics	120	130	140	150	160	max value
3	102	product B	Furniture	150	160	170	180	190	190
4	103	product C	Electronics	200	210	220	230	240	
5	104	product D	Clothing	90	100	110	120	130	
6	105	product E	Furniture	220	230	240	250	260	
7	106	product F	Electronics	130	140	150	160	170	

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



	A	B	C	D	E	F	G	H	I
1	Product ID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales	month with max sales for product a
2	101	product A	Electronics	120	130	140	150	160	May Sales
3	102	product B	Furniture	150	160	170	180	190	
4	103	product C	Electronics	200	210	220	230	240	
5	104	product D	Clothing	90	100	110	120	130	
6	105	product E	Furniture	220	230	240	250	260	
7	106	product F	Electronics	130	140	150	160	170	

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



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101	product A	Electronics	120	130	140	150	160
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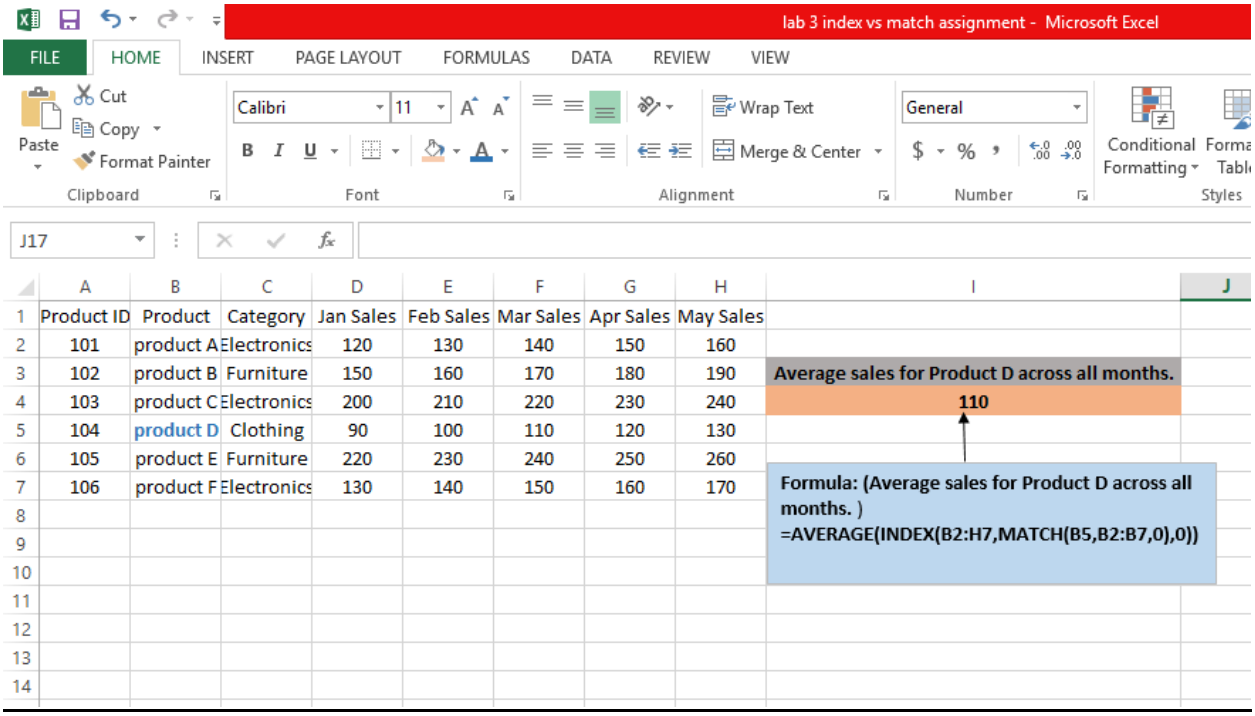
104	product D	Clothing	90	100	110	120	130
105	product E	Furniture	220	230	240	250	260
106	product F	Electronics	130	140	150	160	170

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



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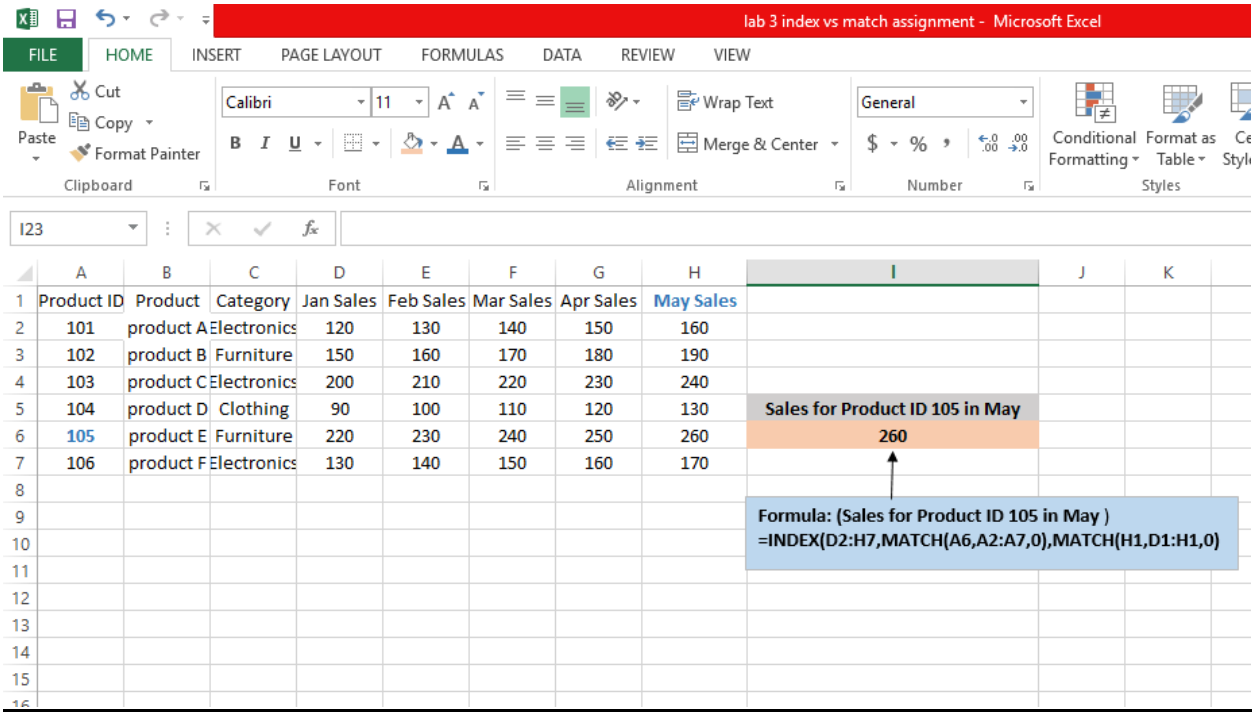
104	product D	Clothing	90	100	110	120	130
105	product E	Furniture	220	230	240	250	260
106	product F	Electronics	130	140	150	160	170

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 retums the corresponding sales