LAB ASSIGNMENT 4

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

Clipboard		oard	ועו		Font		ועו		Alig	Alignment			
2		· :	×	√ fx	-IN	IDEX(D2:H	7,MATCH(B4	,B2:B7,0),	3)				
a l	А В		С	D	Е	F	G	Н	1	J			
Pr	oductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales		QUESTION 1.			
Г	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	Clothina	90	100	110	120	130					
	105	PROD E	Furniture	220	230	240	250	260					
	106 PROD F		Electronics	130	140	150	160	170					
1. U	Jse INDEX a	and MATCH to	find the sales fo	or Product C in Ma	arch.								

2. Use INDEX and MATCH to find the category for

Product E.

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

Cilphoard		וצי		FUIIL		וצי		Ally	Alignment				
2	- :	×	√ fx	=IN	DEX(C2:C7	7, MATCH(BS	5, B2:B7, 0))					
Α	В	С	D	E	F	G	Н	1	J	К			
ProductID	Product	Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales		QUESTION 1.	QUESTION 2.	QI		
101	PROD A	Electronics	120	130	140	150	160		220	Clothing	1		
102	PROD B	Furniture	150	160	170	180	190				П		
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						
											\perp		
1. Use INDEX	and MATCH to	find the sales fo	or Product C in Ma	arch.							+		
2. Use INDEX	and MATCH to	find the catego	ry for Product E.										

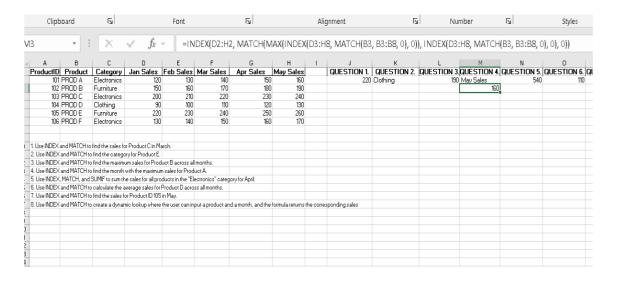
 Use INDEX and MATCH to find the maximum sales for Product B across all months.ANSWER: =MAX(INDEX(D2:H7,MATCH(B3,B2:B7,0),0))

L2 ▼		×	\checkmark f_x	~ = M	=MAX(INDEX(D2:H7,MATCH(B3,B2:B7,0),0))									
4	Α	В	С	D	Е	F	G	Н	1	J	K	L		
1 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 Ma		
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

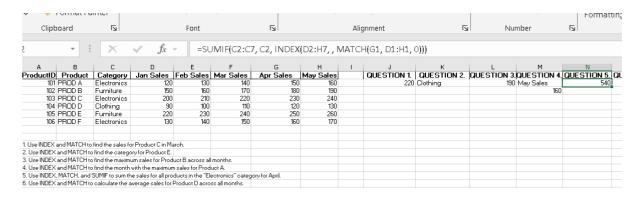
ProductA.

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))



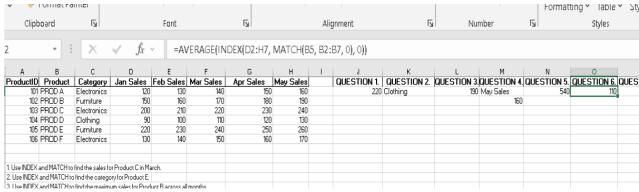
5. Use INDEX, MATCH, and SUMIF to sum the sales for all products in the "Electronics" categoryfor April.

ANSWER: =SUMIF(C2:C7, C2, INDEX(D2:H7, , MATCH(G1, D1:H1, 0)))



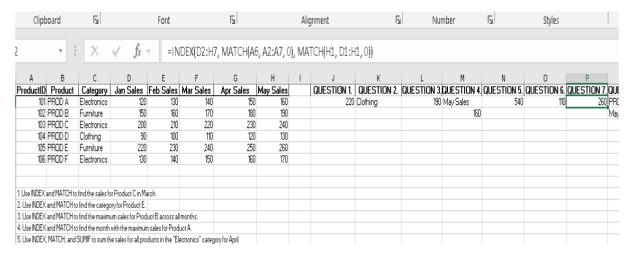
6. Use INDEX and MATCH to calculate the average sales for Product D across all

months.ANSWER: =AVERAGE(INDEX(D2:H7, MATCH(B5, B2:B7, 0), 0))

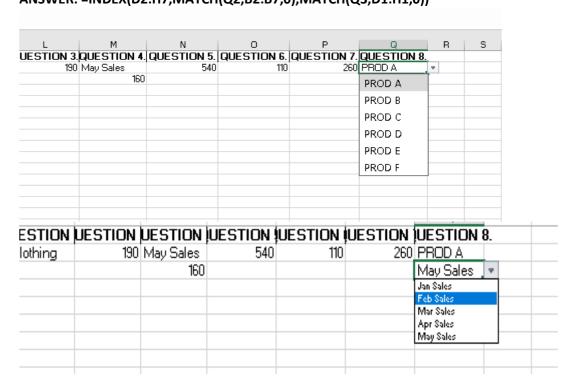


7. Use INDEX and MATCH to find the sales for Product ID 105 in May.

ANSWER: =INDEX(D2:H7, MATCH(A6, A2:A7, 0), MATCH(H1, D1:H1, 0))



 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))



													-						
QΖ	1		· i	\times	~	fx	=IN[DEX(D2	:H7,	MATCH(C	(2,B2:B7,	0),MATC	H(Q3,D1:	H1,0))					
4	А	В	С	D	Е	F	G	Н	1	J	K	L	М	N	0	Р	Q	R	S
'n	roducti	Product	Category	an Salee	b Sale	lar Salej	or Salela	y Sales	: (QUESTION	UESTION	UESTION	UESTION	UESTION	UESTION	UESTION	UESTION	В.	
	101	PROD A	Electron	120	130	140	150	160		220	Clothing	190	May Sales	540	110	260	PROD A		
	102	PROD B	Furnitur	150	160	170	180	190					160				May Sales		
	103	PROD 0	Electron	200	210	220	230	240									160		
П	104	PROD D	Clothing	90	100	110	120	130											
Т	105	PROD B	Furnitur	220	230	240	250	260											
Т	106	PROD F	Electron	130	140	150	160	170											
	1. Use IND	DEX and M	IATCH to fin	id the sales	for Produ	act C in Mai	rch.												
- 17	2. Use IN	DEX and M	1ATCH to fir	nd the cate	gory for P	roduct E.													