

ASSIGNMENT-4

DATASET:

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

Q1: Use INDEX and MATCH to find the sales for Product C in March.

OUTPUT: =INDEX(E1:E7,MATCH(A4,A1:A7,0))

	A	B	C	D	E	F	G	H
1	Product ID	Product Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales	Q1
2	101PRODA	Electronics	120	130	140	150	160	220
3	102PRODB	Furniture	150	160	170	180	190	
4	103PRODC	Electronics	200	210	220	230	240	
5	104PRODD	Clothing	90	100	110	120	130	
6	105PRODE	Furniture	220	230	240	240	250	
7	106PRODF	Electronics	130	140	150	160	170	

Q2: Use INDEX and MATCH to find the category for Product E.

OUTPUT: =INDEX(B2:B7,MATCH(A6,A2:A7,0))

	A	B	C	D	E	F	G	H	I
1	Product ID	Product Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales	Q2	
2	101PRODA	Electronics	120	130	140	150	160	Furniture	
3	102PRODB	Furniture	150	160	170	180	190		
4	103PRODC	Electronics	200	210	220	230	240		
5	104PRODD	Clothing	90	100	110	120	130		
6	105PRODE	Furniture	220	230	240	240	250		
7	106PRODF	Electronics	130	140	150	160	170		

Q3: Use INDEX and MATCH to find the maximum sales for Product B across all months.

OUTPUT: =MAX(INDEX(B2:G7, MATCH(A3, A2:A6, 0), 0))

	A	B	C	D	E	F	G	H
1	Product ID	Product Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales	Q3
2	101PRODA	Electronics	120	130	140	150	160	190
3	102PRODB	Furniture	150	160	170	180	190	
4	103PRODC	Electronics	200	210	220	230	240	
5	104PRODD	Clothing	90	100	110	120	130	
6	105PRODE	Furniture	220	230	240	240	250	
7	106PRODF	Electronics	130	140	150	160	170	

Q4: Use INDEX and MATCH to find the month with the maximum sales for Product A.

OUTPUT:

=INDEX(\$C\$1:\$G\$1,MATCH(MAX(INDEX(\$C\$2:\$G\$7,MATCH("101PRODA",\$A\$2:\$A\$7,0)),INDEX(\$C\$2:\$G\$7,MATCH("101PRODA",\$A\$2:\$A\$7,0),0),0))

	A	B	C	D	E	F	G	H
1	Product ID	Product Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales	Q4
2	101PRODA	Electronics	120	130	140	150	160	May Sales
3	102PRODB	Furniture	150	160	170	180	190	
4	103PRODC	Electronics	200	210	220	230	240	
5	104PRODD	Clothing	90	100	110	120	130	
6	105PRODE	Furniture	220	230	240	240	250	
7	106PRODF	Electronics	130	140	150	160	170	

Q5: Use INDEX, MATCH, and SUMIF to sum the sales for all products in the "Electronics" category for April.

OUTPUT: =SUMIF(B:B, "Electronics", E:E)

	A	B	C	D	E	F	G	H
1	Product ID	Product Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales	Q5
2	101PRODA	Electronics	120	130	140	150	160	510
3	102PRODB	Furniture	150	160	170	180	190	
4	103PRODC	Electronics	200	210	220	230	240	
5	104PRODD	Clothing	90	100	110	120	130	
6	105PRODE	Furniture	220	230	240	240	250	
7	106PRODF	Electronics	130	140	150	160	170	
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Q6: Use INDEX and MATCH to calculate the average sales for Product D across all months.

OUTPUT:

=AVERAGE(INDEX(\$C\$2:\$G\$7,MATCH("104PRODD",\$A\$2:\$A\$7,0),0))

	A	B	C	D	E	F	G	H
1	Product ID	Product Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales	Q6
2	101PRODA	Electronics	120	130	140	150	160	110
3	102PRODB	Furniture	150	160	170	180	190	
4	103PRODC	Electronics	200	210	220	230	240	
5	104PRODD	Clothing	90	100	110	120	130	
6	105PRODE	Furniture	220	230	240	240	250	
7	106PRODF	Electronics	130	140	150	160	170	
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Q7: Use INDEX and MATCH to find the sales for Product ID 105 in May.

OUTPUT: =INDEX(C2:G7,MATCH(A6,A2:A7,0),5)

	A	B	C	D	E	F	G	H
1	Product ID	Product Category	Jan Sales	Feb Sales	Mar Sales	Apr Sales	May Sales	Q7
2	101PRODA	Electronics	120	130	140	150	160	250
3	102PRODB	Furniture	150	160	170	180	190	
4	103PRODC	Electronics	200	210	220	230	240	
5	104PRODD	Clothing	90	100	110	120	130	
6	105PRODE	Furniture	220	230	240	240	250	
7	106PRODF	Electronics	130	140	150	160	170	
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NAME: DASHMEET SINGH