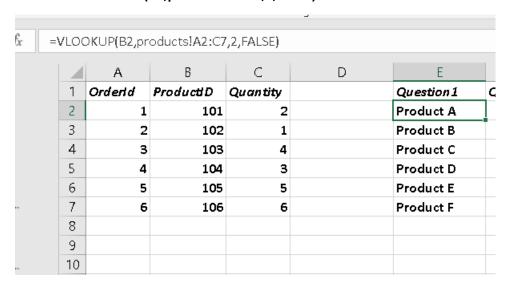# LAB ASSIGNMENT 1

1. Use VLOOKUP to find the product names for each ProductID in the Orders worksheet.

ANSWER: =VLOOKUP(B3,products!A3:C8,2,FALSE)

fx =VLOOKUP(B2,products!A2:C7,2,FALSE)

	A	B	C	D	E	
1	OrderId	ProductID	Quantity		Question 1	C
2	1	101	2		Product A	
3	2	102	1		Product B	
4	3	103	4		Product C	
5	4	104	3		Product D	
6	5	105	5		Product E	
7	6	106	6		Product F	
8						
9						
10						

2. Use VLOOKUP to find the price for each ProductID in the Orders worksheet, then calculate the TotalPrice by multiplying the Quantity by the Product Price.

ANSWER: =VLOOKUP(B2,products!A1:C7,3,FALSE)*C2

=VLOOKUP(B2,products!A1:C7,3,FALSE)*C2

	A	B	C	D	E	F	
1	OrderId	ProductID	Quantity		Question 1	Question 2	Qu
2	1	101	2		Product A	240	FO
3	2	102	1		Product B	150	FO
4	3	103	4		Product C	800	FO
5	4	104	3		Product D	270	FO
6	5	105	5		Product E	1100	FO
7	6	106	6		Product F	780	FO
8							
9							
10							
11							
12	Questions:						
13	1. Use VLOOKUP to find the product names for each ProductID in the Orders worksheet.						

3. Use VLOOKUP to check if there are any ProductIDs in the Orders worksheet that do not exist in the Products worksheet.

ANSWER: =IF(ISNA(VLOOKUP(B2,products!A1:A7,1,FALSE)),"NOT FOUND","FOUND")

=IF(ISNA(VLOOKUP(B2,products!A1:A7,1,FALSE)),"NOT FOUND","FOUND")

	A	B	C	D	E	F	G	
1	OrderId	ProductID	Quantity		Question 1	Question 2	Question 3	Qu
2	1	101	2		Product A	240	FOUND	
3	2	102	1		Product B	150	FOUND	
4	3	103	4		Product C	800	FOUND	
5	4	104	3		Product D	270	FOUND	
6	5	105	5		Product E	1100	FOUND	
7	6	106	6		Product F	780	FOUND	
8								
9								
10								

4. Assume a discount of 10% is given on all products. Use VLOOKUP to find the original price and then calculate the discounted price.

ANSWER: =VLOOKUP(B2,products!A1:C7,3,FALSE)*(1-10%)

=VLOOKUP(B2,products!A1:C7,3,FALSE)*(1-10%)

	A	B	C	D	E	F	G	H	
1	OrderId	ProductID	Quantity		Question 1	Question 2	Question 3	Question 4	C
2	1	101	2		Product A	240	FOUND	108	
3	2	102	1		Product B	150	FOUND	135	
4	3	103	4		Product C	800	FOUND	180	
5	4	104	3		Product D	270	FOUND	81	
6	5	105	5		Product E	1100	FOUND	198	
7	6	106	6		Product F	780	FOUND	117	
8									
9									M

5. Use VLOOKUP to find the price for each ProductID and then calculate the order value. Find the maximum order value from the list.
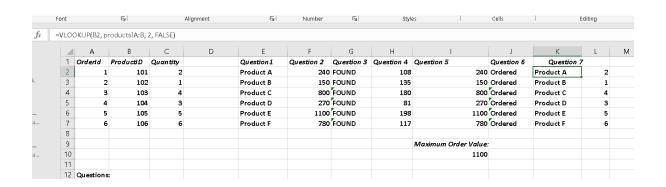
ANSWER: =VLOOKUP(B2,products!A1:C7,3,FALSE)*2

=VLOOKUP(B2,products!A1:C7,3,FALSE)*2

	A	B	C	D	E	F	G	H	I	
1	OrderId	ProductID	Quantity		Question 1	Question 2	Question 3	Question 4	Question 5	C
2	1	101	2		Product A	240	FOUND	108	240	C
3	2	102	1		Product B	150	FOUND	135	150	C
4	3	103	4		Product C	800	FOUND	180	800	C
5	4	104	3		Product D	270	FOUND	81	270	C
6	5	105	5		Product E	1100	FOUND	198	1100	C
7	6	106	6		Product F	780	FOUND	117	780	C
8										
9									Maximum Order Value:	
10									1100	
11										

6. Use VLOOKUP to find out which products from the Products worksheet have not been ordered.

ANSWER: =IF(ISNA(VLOOKUP(B2, products!A1:A7, 2, FALSE)), "Not Ordered", "Ordered")

=IF(ISNA(VLOOKUP(B2, products!A1:A7, 2, FALSE)), "Not Ordered", "Ordered")

	A	B	C	D	E	F	G	H	I	J	
1	*OrderId*	*ProductID*	*Quantity*		*Question1*	*Question 2*	*Question 3*	*Question 4*	*Question 5*	*Question 6*	
2	1	101	2		Product A	240	FOUND	108		240 Ordered	P
3	2	102	1		Product B	150	FOUND	135		150 Ordered	P
4	3	103	4		Product C	800	FOUND	180		800 Ordered	P
5	4	104	3		Product D	270	FOUND	81		270 Ordered	P
6	5	105	5		Product E	1100	FOUND	198		1100 Ordered	P
7	6	106	6		Product F	780	FOUND	117		780 Ordered	P
8											
9									*Maximum Order Value:*		
10									1100		
11											
12	Questions:										

7. Use VLOOKUP to find the Product name and summarize the total quantity sold for each product.

ANSWER: =VLOOKUP(B2, products!A:B, 2, FALSE)

=VLOOKUP(B2, products!A:B, 2, FALSE)

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	*OrderId*	*ProductID*	*Quantity*		*Question1*	*Question 2*	*Question 3*	*Question 4*	*Question 5*	*Question 6*	*Question 7*		
2	1	101	2		Product A	240	FOUND	108		240 Ordered	Product A	2	
3	2	102	1		Product B	150	FOUND	135		150 Ordered	Product B	1	
4	3	103	4		Product C	800	FOUND	180		800 Ordered	Product C	4	
5	4	104	3		Product D	270	FOUND	81		270 Ordered	Product D	3	
6	5	105	5		Product E	1100	FOUND	198		1100 Ordered	Product E	5	
7	6	106	6		Product F	780	FOUND	117		780 Ordered	Product F	6	
8													
9									*Maximum Order Value:*				
10									1100				
11													
12	Questions:												

=SUMIF(B1:B7, B2,C1:C7)

	A	B	C	D	E	F	G	H	I	J	K	L	
1	*OrderId*	*ProductID*	*Quantity*		*Question1*	*Question 2*	*Question 3*	*Question 4*	*Question 5*	*Question 6*	*Question 7*		
2	1	101	2		Product A	240	FOUND	108		240 Ordered	Product A	2	
3	2	102	1		Product B	150	FOUND	135		150 Ordered	Product B	1	
4	3	103	4		Product C	800	FOUND	180		800 Ordered	Product C	4	
5	4	104	3		Product D	270	FOUND	81		270 Ordered	Product D	3	
6	5	105	5		Product E	1100	FOUND	198		1100 Ordered	Product E	5	
7	6	106	6		Product F	780	FOUND	117		780 Ordered	Product F	6	
8													
9									*Maximum Order Value:*				
10									1100				
11													
12	Questions:												