

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

Clipboard		Font		Alignment	
D2		fx		=(VLOOKUP(B2,Sheet1!A1:C7,2,0))	
product id	ProductID	Product quantity	Product		
1	101	2	Product A		
2	102	1	Product B		
3	103	4	Product C		
4	104	3	Product D		
5	105	5	Product E		
6	106	6	Product F		

Formula: =(VLOOKUP(B2,Sheet1!A1:C7,2,0))

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.

Clipboard		Font		Alignment	
E2		fx		=VLOOKUP(B2,Sheet1!A1:C7,3,0)	
product id	ProductID	Product quantity	Product	Price	total price
1	101	2	Product A	120	240
2	102	1	Product B	150	150
3	103	4	Product C	200	800
4	104	3	Product D	90	270
5	105	5	Product E	220	1100
6	106	6	Product F	130	780

Formula: =VLOOKUP(B2,Sheet1!A1:C7,3,0) and =E2\*C2 (to get total cost)

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

Clipboard		Font		Alignment		Number			
G2		fx		=IF(ISNA(VLOOKUP(B2,Sheet1!A1:C7,1,0)),"not found","found")					
	A	B	C	D	E	F	G	H	I
1	product id	ProductID	Product quantity	Product	Price	total price	status		
2	1	101	2	Product A	120	240			
3	2	102	1	Product B	150	150			
4	3	103	4	Product C	200	800			
5	4	104	3	Product D	90	270			
6	5	105	5	Product E	220	1100			
7	6	106	6	Product F	130	780			
8									
9									

Formula: =IF(ISNA(VLOOKUP(B2,Sheet1!A1:C7,1,0)),"not found","found")

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

Clipboard		Font		Alignment		Number	
H2		fx		=E2*0.9			
A	B	C	D	E	F	G	H
product id	ProductID	Product quantity	Product	Price	total price	status	Discounted price
1	101	2	Product A	120	240	found	108
2	102	1	Product B	150	150	found	135
3	103	4	Product C	200	800	found	180
4	104	3	Product D	90	270	found	81
5	105	5	Product E	220	1100	found	198
6	106	6	Product F	130	780	found	117

Formula: =E2\*0.9

5. Use VLOOKUP to find the price for each ProductID and then calculate the order value. Find the maximum order value from the list.

E9		fx		=MAX(E2:E7)					
	A	B	C	D	E	F	G	H	I
1	product id	ProductID	Product quantity	Product	Price	total price	status	Discounted price	
2	1	101	2	Product A	120	240	found	108	
3	2	102	1	Product B	150	150	found	135	
4	3	103	4	Product C	200	800	found	180	
5	4	104	3	Product D	90	270	found	81	
6	5	105	5	Product E	220	1100	found	198	
7	6	106	6	Product F	130	780	found	117	
8				order value	910				
9				max order value	220				


Formula: =SUM(E2:E7) & =MAX(E2:E7)

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

I2		fx		=IF(ISNA(VLOOKUP(B2,Sheet1!A1:C7,1,0)),"not ordered","ordered")					
	A	B	C	D	E	F	G	H	I
1	product id	ProductID	Product quantity	Product	Price	total price	status	Discounted price	order
2	1	101	2	Product A	120	240	found	108	ordered
3	2	102	1	Product B	150	150	found	135	ordered
4	3	103	4	Product C	200	800	found	180	ordered
5	4	104	3	Product D	90	270	found	81	ordered
6	5	105	5	Product E	220	1100	found	198	ordered
7	6	106	6	Product F	130	780	found	117	ordered
8				order value	910				
9				max order value	220				
10									

Formula: =IF(ISNA(VLOOKUP(B2,Sheet1!A1:C7,1,0)),"not ordered","ordered")

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

C2            =VLOOKUP(B2,Sheet1!A1:D7,2,0)

A	B	C	D	E	F	G	H	I
OrderID	ProductID	product					product	product sold
1	101	Product A					Product A	0
2	102	Product B					Product B	0
3	103	Product C					Product C	0
4	104	Product D					Product D	0
5	105	Product E					Product E	0
6	106	Product F					Product F	0

**Formula:** =VLOOKUP(B2,Sheet1!A1:D7,2,0) &  
=SUMIF(Sheet4!B2:B7,Sheet4!H2,Sheet1!D2:D7)