

Lab assignment 2

1. Use VLOOKUP to find the product names for each Product ID in the Orders worksheet.
2. Use VLOOKUP to find the price for each Product ID in the Orders worksheet, then calculate the Total Price by multiplying the Quantity by the Product Price.
3. Use VLOOKUP to check if there are any Product IDs in the Orders worksheet that do not exist in the Products worksheet.
4. Assume a discount of 10% is given on all products. Use VLOOKUP to find the original price and then calculate the discounted price.
5. Use VLOOKUP to find the price for each Product ID and then calculate the order value. Find the maximum order value from the list.
6. Use VLOOKUP to find out which products from the Products worksheet have not been ordered.
7. Use VLOOKUP to find the Product name and summarize the total quantity sold for each product.

Formulas used:

Product name: =VLOOKUP(B41,A32:B38,2,FALSE)

Price: =VLOOKUP(B41,A32:C38,3,FALSE)

Total price: =C41*E41

Checks: =IF(ISNA(VLOOKUP(B41,A32:C38,1,FALSE)),"Not found","Exists")

Discounted price: $=E41 \cdot 0.9$

Ordered status: =IF(ISNA(VLOOKUP(B41,A32:C38,1,FALSE)),"Not Ordered","Ordered")

Total Quality sold: =SUMIF(F32:F38,I33,G32:G38)

[illegible]

the Products worksheet.

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

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

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

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

product ID	product	price		order id	product ID	Quantity		product ID	product	Total Quality sold	
101	product A	120		1	101	2		101	product A	2	
102	product b	150		2	103	1		102	product b	5	
103	product c	200		3	105	4		103	product c	1	
104	product d	90		4	106	3		104	product d	6	
105	product e	220		5	102	5		105	product e	4	
106	product f	130		6	104	6		106	product f	3	
order id	product ID	Quantity	product name	price	total price	check	discounted price	ordered status			
1	101	2	product A	120	240	Exists	108	Ordered			
2	103	1	product c	200	200	Exists	180	Ordered			
3	105	4	product e	220	880	Exists	198	Ordered			
4	106	3	product f	130	390	Exists	117	Ordered			
5	102	5	product b	150	750	Exists	135	Ordered			
6	104	6	product d	90	540	Exists	81	Ordered			
			order value	910							
			max order value	220							