

DATA VISUALIZATION

Topic : VLOOKUP (Vertical Lookup Function)

Questions :

1. Use VLOOKUP to find the product names for each ProductID in the Orders worksheet.
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.
3. Use VLOOKUP to check if there are any ProductIDs 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 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.

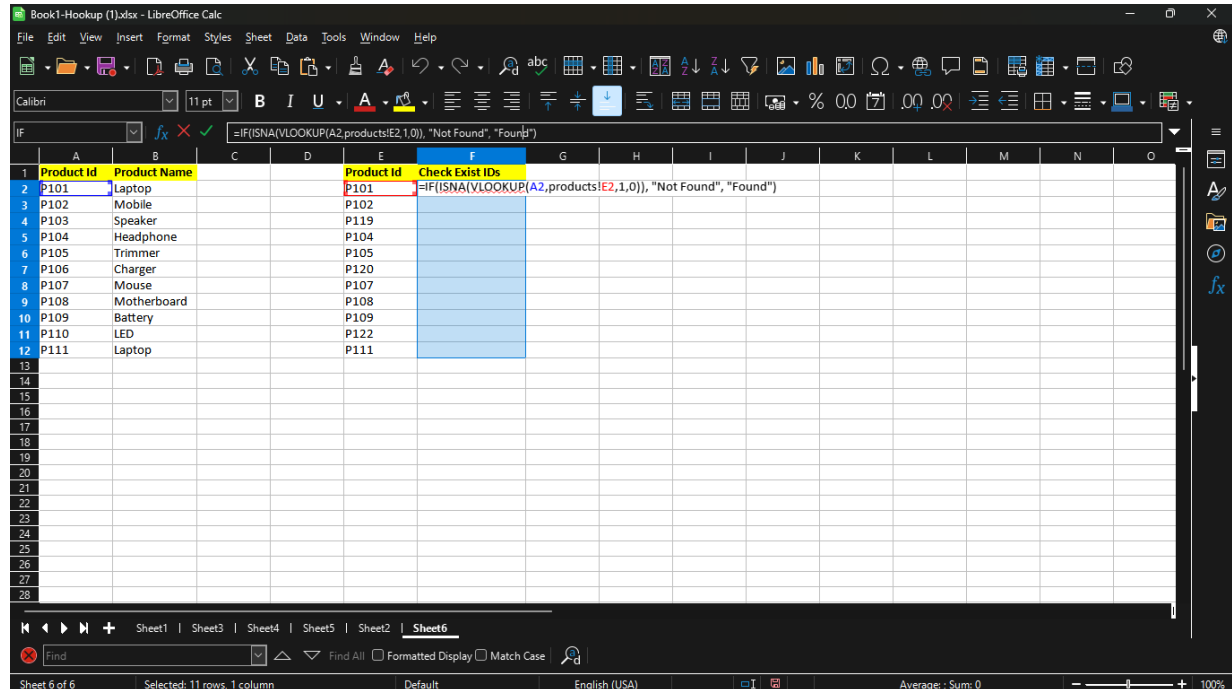
1) Use VLOOKUP to find the product names for each ProductId in the orders worksheet.

Formula Syantax :

=VLOOKUP(lookup_value, table_array, col_index_num, [range_lookup])

Ex : =VLOOKUP(L7,A2:B7,2,0)

Ex: =IF(ISNA(VLOOKUP(A2,products!A1:A12,1,0)), "Not Found", "Found")



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

- Formula Used for to calculate discount that is $E2*0.9$.

Product ID	Product Name	Original Price	Discounted Price
P101	Laptop	34	30.6
P102	Mobile	40	36
P103	Speaker	50	45
P104	Headphone	60	54
P105	Trimmer	70	63
P106	Charger	60	54
P107	Mouse	90	81
P108	Motherboard	80	72
P109	Battery	70	63
P110	LED	89	80.1
P111	Laptop	98	88.2

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

Order ID	Product ID	Quantity	Product Price	Total Price
1	101	3	120	340
2	102	2	130	322
3	103	4	140	220
4	104	1	150	230
5	105	4	160	240
6	106	2	210	300
		Order Value	910	
		Maximum value	210	

- Formula to find Maximum Order value that is : =Max(D2:D7) and
- for the Maximum Order Value is =Sum(D2:D7).

