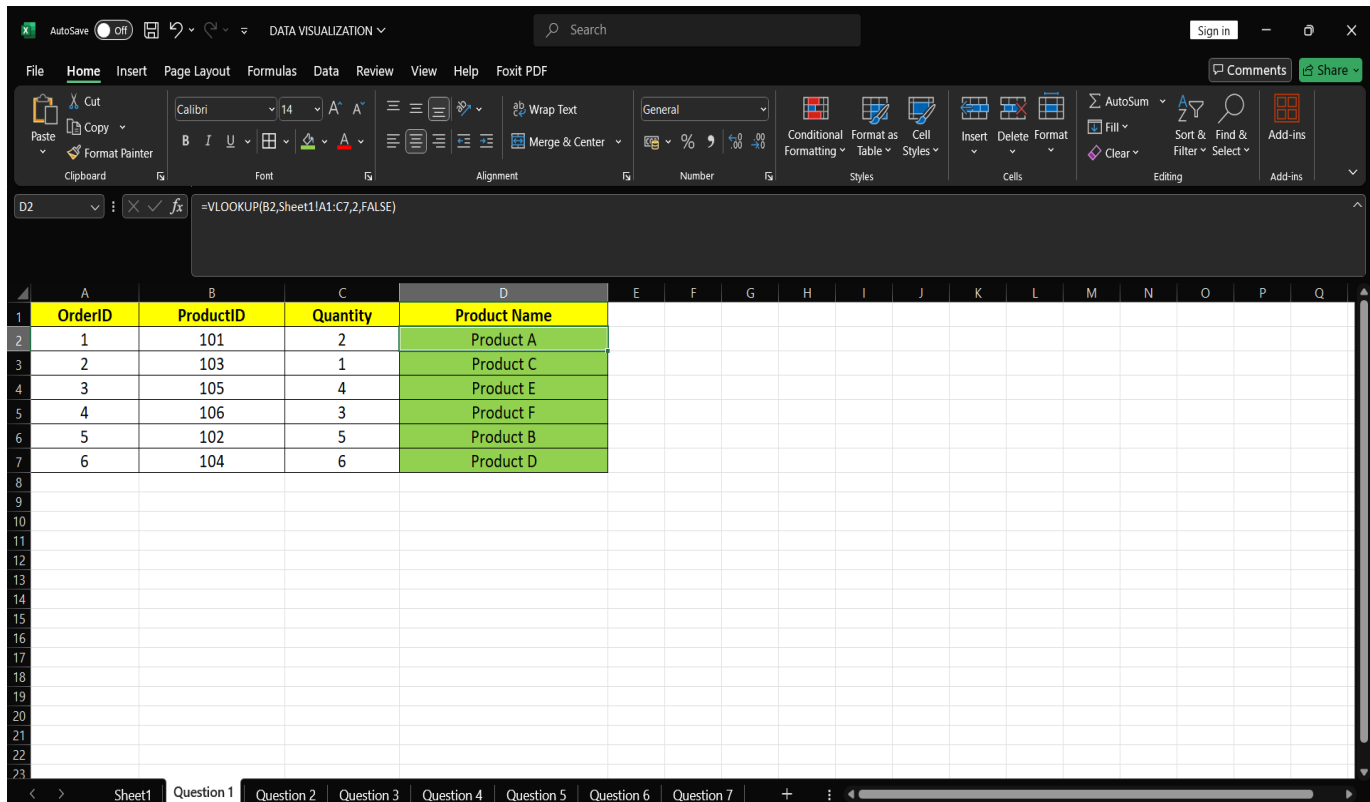


LAB ASSIGNMENT – 2

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

Ans . =VLOOKUP(B2,Sheet1!A1:C7,2,FALSE)



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.

Ans . =VLOOKUP(B2,Sheet1!A1:C7,3,FALSE)

=C2*E2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	OrderID	ProductID	Quantity	Product Name	Product Price	Total Price											
2	1	101	2	Product A	120	240											
3	2	103	1	Product C	200	200											
4	3	105	4	Product E	220	880											
5	4	106	3	Product F	130	390											
6	5	102	5	Product B	150	750											
7	6	104	6	Product D	90	540											
8																	
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3. Use VLOOKUP to check if there are any ProductIDs in the Orders worksheet that do not exist in the Products worksheet.

ANS . =IF(ISNA(VLOOKUP(B2,'Question 2'!A1:A7,1,FALSE)), "Exists","Not found")

The screenshot shows an Excel spreadsheet with the following data:

OrderID	ProductID	Quantity	Product Name	Product Price	Total Price	Check
1	101	2	Product A	120	240	Exists
2	103	1	Product C	200	200	Exists
3	105	4	Product E	220	880	Exists
4	106	3	Product F	130	390	Exists
5	102	5	Product B	150	750	Exists
6	104	6	Product D	90	540	Exists

The formula bar shows the formula: `=IF(ISNA(VLOOKUP(B2,'Question 2'!A1:A7,1,FALSE)), "Exists","Not 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.

Discounted price

Ans . $=VLOOKUP(B2,Sheet1!A2:C7,3,FALSE)*0.9$

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H2 =VLOOKUP(B2,Sheet1!A2:C7,3,FALSE)*0.9

	A	B	C	D	E	F	G	H	I	J	K	L
1	OrderID	ProductID	Quantity	Product Name	Product Price	Total Price	Check	Discount Price				
2	1	101	2	Product A	120	240	Exists	108				
3	2	103	1	Product C	200	200	Exists	180				
4	3	105	4	Product E	220	880	Exists	198				
5	4	106	3	Product F	130	390	Exists	117				
6	5	102	5	Product B	150	750	Exists	135				
7	6	104	6	Product D	90	540	Exists	81				
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Original price

Ans . =VLOOKUP(B2,Sheet1!A1:C7,3,FALSE)

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I2 =VLOOKUP(B2,Sheet1!A1:C7,3,FALSE)

	A	B	C	D	E	F	G	H	I	J	K
1	OrderID	ProductID	Quantity	Product Name	Product Price	Total Price	Check	Discount Price	Original price		
2	1	101	2	Product A	120	240	Exists	108	120		
3	2	103	1	Product C	200	200	Exists	180	200		
4	3	105	4	Product E	220	880	Exists	198	220		
5	4	106	3	Product F	130	390	Exists	117	130		
6	5	102	5	Product B	150	750	Exists	135	150		
7	6	104	6	Product D	90	540	Exists	81	90		
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Sheet1 Question 1 Question 2 Question 3 Question 4 Question 5 Question 6 Question 7

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 value

Ans .=**VLOOKUP**(Sheet1!A2,Sheet1!A1:C7,3,FALSE)*C2

The screenshot shows an Excel spreadsheet with the following data:

OrderID	ProductID	Quantity	Product Name	Product Price	Total Price	Check	Discount Price	Order Value
1	101	2	Product A	120	240	Exists	108	240
2	103	1	Product C	200	200	Exists	180	150
3	105	4	Product E	220	880	Exists	198	800
4	106	3	Product F	130	390	Exists	117	270
5	102	5	Product B	150	750	Exists	135	1100
6	104	6	Product D	90	540	Exists	81	780
Order Value				910				

The formula bar shows the formula in cell I2: **=VLOOKUP(Sheet1!A2,Sheet1!A1:C7,3,FALSE)*C2**

MAX VALUE - =**MAX**(I2:I7)

The screenshot shows an Excel spreadsheet with the following data:

OrderID	ProductID	Quantity	Product Name	Product Price	Total Price	Check	Discount Price	Order Value	Max Value
1	101	2	Product A	120	240	Exists	108	240	1100
2	103	1	Product C	200	200	Exists	180	150	
3	105	4	Product E	220	880	Exists	198	800	
4	106	3	Product F	130	390	Exists	117	270	
5	102	5	Product B	150	750	Exists	135	1100	
6	104	6	Product D	90	540	Exists	81	780	
Order Value				910					
Max Value				220					

The formula bar shows the formula in cell J2: **=MAX(I2:I7)**

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

Ans . =IF(ISNA(VLOOKUP(B2,'Question 5'!A1:A7,1,FALSE)),"Ordered",Not Ordered)

OrderID	ProductID	Quantity	Product Name	Product Price	Total Price	Check	Discount 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				

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

Ans . =SUMIF(Sheet1!B10:B15,A2,Sheet1!C10:C15)

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Wrap TextMerge & Center Alignment

GeneralNumber

Conditional FormattingFormat as TableCell Styles Styles

InsertDeleteFormat Cells

AutoSumFillClear Sort & Filter Find & Select Editing

Add-insAdd-ins

C2

=SUMIF(Sheet1!B10:B15,A2,Sheet1!C10:C15)

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ProductID	Product	Total Quantity Sold										
2	101	Product A	2										
3	102	Product B	5										
4	103	Product C	1										
5	104	Product D	6										
6	105	Product E	4										
7	106	Product F	3										
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