

ASSIGNMENT NO. 3

TOPIC: - VLOOKUP

- Worksheet 1: Product

Product ID	Product	Price
101	Product A	120
102	Product B	150
103	Product C	200
104	Product D	90
105	Product E	220
106	Product F	130

- Worksheet 2: Orders

Order ID	Product ID	Quantity	Total Price
1	101	2	
2	102	1	
3	103	4	
4	104	3	
5	105	5	
6	106	6	

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

Ans: -

Assignment No. 3

Search for tools, help, and more (Alt + Q)

File Home Insert Share Page Layout Formulas Data Review View Help Draw

Comments Catch up Editing Share

Clipboard Font Alignment Number Styles Cells Editing Add-ins

E2 $\text{=VLOOKUP(B2,Sheet1!A1:C7,2,FALSE)}$

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Order ID	Product ID	Quantity	Total Price	Product												
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																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	

Activate Windows Go to Settings to activate Windows.

Workbook Statistics Count: 6 110%

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

Ans: -

Assignment No. 3

Search for tools, help, and more (Alt + Q)

File Home Insert Share Page Layout Formulas Data Review View Help Draw

Comments Catch up Editing Share

Clipboard Font Alignment Number Styles Cells Editing Add-ins

F2 $\text{=VLOOKUP(B2,Sheet1!A1:C7,3,0)}$

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Order ID	Product ID	Quantity	Total Price	Product	Product ID Price										
2	1	101	2	240	Product A	120										
3	2	102	1	150	Product B	150										
4	3	103	4	800	Product C	200										
5	4	104	3	270	Product D	90										
6	5	105	5	1100	Product E	220										
7	6	106	6	780	Product F	130										
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																

Activate Windows Go to Settings to activate Windows.

Workbook Statistics 110%

Assignment No. 3

Search for tools, help, and more (Alt + Q)

Buy Microsoft 365

File Home Insert Share Page Layout Formulas Data Review View Help Draw

Comments Catch up Editing Share

Undo Paste Clipboard Font Alignment Number Styles Cells Editing

D2 =C2*F2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Order ID	Product ID	Quantity	Total Price	Product	Product ID Price										
2	1	101	2	240	Product A	120										
3	2	102	1	150	Product B	150										
4	3	103	4	800	Product C	200										
5	4	104	3	270	Product D	90										
6	5	105	5	1100	Product E	220										
7	6	106	6	780	Product F	130										
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																

Activate Windows
Go to Settings to activate Windows.

Sheet1 Sheet2

Workbook Statistics

110%

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

Ans: -

Assignment No. 3

Search for tools, help, and more (Alt + Q)

Buy Microsoft 365

File Home Insert Share Page Layout Formulas Data Review View Help Draw

Comments Catch up Editing Share

Undo Paste Clipboard Font Alignment Number Styles Cells Editing

G2 =IFERROR(VLOOKUP(B2,Sheet1!A1:C7,1,FALSE),"Not Found")

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Order ID	Product ID	Quantity	Total Price	Product	Product ID Price	Check for missing Product ID						
2	1	109	2	#N/A	#N/A	#N/A	Not Found						
3	2	102	1	150	Product B	150	102						
4	3	103	4	800	Product C	200	103						
5	4	104	3	270	Product D	90	104						
6	5	105	5	1100	Product E	220	105						
7	6	106	6	780	Product F	130	106						
8													
9													
10													
11													
12													
13													
14													
15													
16													

Activate Windows
Go to Settings to activate Windows.

Sheet1 Sheet2

Workbook Statistics

120%

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

Ans: -

Order ID	Product ID	Quantity	Total Price	Product	Product ID Price	Check for missing Product ID	10% Discount
1	101	2	240	Product A	120	101	108
2	102	1	150	Product B	150	102	135
3	103	4	800	Product C	200	103	180
4	104	3	270	Product D	90	104	81
5	105	5	1100	Product E	220	105	198
6	106	6	780	Product F	130	106	117

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

Ans: -

Order ID	Product ID	Quantity	Total Price	Product	Product ID Price	Check for missing Product ID	10% Discount	Max Order Value
1	101	2	240	Product A	120	101	108	1100
2	102	1	150	Product B	150	102	135	
3	103	4	800	Product C	200	103	180	
4	104	3	270	Product D	90	104	81	
5	105	5	1100	Product E	220	105	198	
6	106	6	780	Product F	130	106	117	

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

Ans: -

Assignment No. 3

Search for tools, help, and more (Alt + Q)

Buy Microsoft 365

File Home Insert Share Page Layout Formulas Data Review View Help Draw

Undo Paste Clipboard Font Alignment Number Styles

Conditional Formatting Insert Delete Sort & Find & Filter Select

Format As Table Cell Styles Format Cells Editing

Comments Catch up Editing Share

J2 =VLOOKUP(B2,Sheet1!A1:C7,2,FALSE)

	A	B	C	D	E	F	G	H	I	J	K	L
1	Order ID	Product ID	Quantity	Total Price	Product	Product ID	Price	Check for missing Product ID	10% Discount	Max Order Value	Identify unordered Product	
2	1	101	2	240	Product A	120	101	108	1100	Product A		
3	2	102	1	150	Product B	150	102	135		Product B		
4	3	103	4	800	Product C	200	103	180		Product C		
5	4	104	3	270	Product D	90	104	81		Product D		
6	5	105	5	1100	Product E	220	105	198		Product E		
7	6	106	6	780	0	130	106	117		0		
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												

Activate Windows
Go to Settings to activate Windows.

Workbook Statistics

Average: 0 Count: 6 Sum: 0

110%

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

Ans: -

Assignment No. 3

Search for tools, help, and more (Alt + Q)

Buy Microsoft 365

File Home Insert Share Page Layout Formulas Data Review View Help Draw

Undo Paste Clipboard Font Alignment Number Styles

Conditional Formatting Insert Delete Sort & Find & Filter Select

Format As Table Cell Styles Format Cells Editing

Comments Catch up Editing Share

D2 =SUMIF(Sheet2!E2:E7,Sheet1!B2,Sheet2!C2:C7)

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Product ID	Product	Price	summarize Total Quantity Sold									
2	101	Product A	120	2									
3	102	Product B	150	1									
4	103	Product C	200	4									
5	104	Product D	90	3									
6	105	Product E	220	5									
7	106	Product F	130	6									
8													
9													
10													
11													
12													
13													
14													
15													
16													

Activate Windows
Go to Settings to activate Windows.

Workbook Statistics

120%