

VLOOKUP Function Assignment:

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 Total Price 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.

Answer

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

Lab Assignment VLookUp - Microsoft Excel

OrderID	ProductID	Quantity	Product
1	101	2	Product A
2	103	1	Product C
3	105	4	Product E
4	106	3	Product F
5	102	5	Product B
6	104	6	Product D

Formulas:

- =VLOOKUP(B2,' Worksheet1 Products'!A1:C7,2,0)
- =VLOOKUP(B3,' Worksheet1 Products'!A1:C7,2,0)
- =VLOOKUP(B4,' Worksheet1 Products'!A1:C7,2,0)
- =VLOOKUP(B5,' Worksheet1 Products'!A1:C7,2,0)
- =VLOOKUP(B6,' Worksheet1 Products'!A1:C7,2,0)
- =VLOOKUP(B7,' Worksheet1 Products'!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.

Lab Assignment VLookUp - Microsoft Excel

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

Formulas: (Total Price)

- =VLOOKUP(C2,' Worksheet1 Products'!A1:C7,3,0)*" Q2"!D2
- =VLOOKUP(C3,' Worksheet1 Products'!A1:C7,3,0)*" Q2"!D3
- =VLOOKUP(C4,' Worksheet1 Products'!A1:C7,3,0)*" Q2"!D4
- =VLOOKUP(C5,' Worksheet1 Products'!A1:C7,3,0)*" Q2"!D5
- =VLOOKUP(C6,' Worksheet1 Products'!A1:C7,3,0)*" Q2"!D6
- =VLOOKUP(C7,' Worksheet1 Products'!A1:C7,3,0)*" Q2"!D7

Formula : (Price)

- =VLOOKUP(C2,' Worksheet1 Products'!A1:C7,3,0)
- =VLOOKUP(C3,' Worksheet1 Products'!A2:C8,3,0)
- =VLOOKUP(C4,' Worksheet1 Products'!A3:C9,3,0)
- =VLOOKUP(C5,' Worksheet1 Products'!A4:C10,3,0)
- =VLOOKUP(C6,' Worksheet1 Products'!A1:C7,3,0)
- =VLOOKUP(C7,' Worksheet1 Products'!A2:C8,3,0)

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

Lab Assignment VLookUp - Microsoft Excel

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Product	orderID	product id	Quantity	Price	Total Price	Check									
2	Product A	1	101	2	120	240	Exist									
3	Product B	2	103	1	200	200	Exist									
4	Product C	3	105	4	220	880	Exist									
5	Product D	4	106	3	130	390	Exist									
6	Product E	5	102	5	150	750	Exist									
7	Product F	6	104	6	90	540	Exist									
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

Formulas:

```

=IF(ISNA(VLOOKUP(C2,' Worksheet1 Products'!A1:C7,1,0)),"Not Exist","Exist")
=IF(ISNA(VLOOKUP(C3,' Worksheet1 Products'!A2:C8,1,0)),"Not Exist","Exist")
=IF(ISNA(VLOOKUP(C4,' Worksheet1 Products'!A3:C9,1,0)),"Not Exist","Exist")
=IF(ISNA(VLOOKUP(C5,' Worksheet1 Products'!A4:C10,1,0)),"Not Exist","Exist")
=IF(ISNA(VLOOKUP(C6,' Worksheet1 Products'!A1:C7,1,0)),"Not Exist","Exist")
=IF(ISNA(VLOOKUP(C7,' Worksheet1 Products'!A2:C8,1,0)),"Not Exist","Exist")

```

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

Lab Assignment VLookUp - Microsoft Excel

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Product	orderID	product id	Quantity	Price	Total Price	Check	Discounted price							
2	Product A	1	101	2	120	240	Exist	108							
3	Product B	2	103	1	200	200	Exist	180							
4	Product C	3	105	4	220	880	Exist	198							
5	Product D	4	106	3	130	390	Exist	117							
6	Product E	5	102	5	150	750	Exist	135							
7	Product F	6	104	6	90	540	Exist	81							
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															

Formula:

```

=VLOOKUP(C2,' Worksheet1 Products'!A1:C7,3,0)*0.9
=VLOOKUP(C3,' Worksheet1 Products'!A2:C8,3,0)*0.9
=VLOOKUP(C4,' Worksheet1 Products'!A3:C9,3,0)*0.9
=VLOOKUP(C5,' Worksheet1 Products'!A4:C10,3,0)*0.9
=VLOOKUP(C6,' Worksheet1 Products'!A1:C7,3,0)*0.9
=VLOOKUP(C7,' Worksheet1 Products'!A2:C8,3,0)*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.

Product	orderID	product id	Quantity	Price	Total Price	Check	Discounted price
Product A	1	101	2	120	240	Exist	108
Product B	2	103	1	200	200	Exist	180
Product C	3	105	4	220	880	Exist	198
Product D	4	106	3	130	390	Exist	117
Product E	5	102	5	150	750	Exist	135
Product F	6	104	6	90	540	Exist	81
Order Value				910			
Max Order Value				220			

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

Product	orderID	product id	Quantity	Price	Total Price	Check	Discounted price	Ordered Status
Product A	1	101	2	120	240	Exist	108	ordered
Product B	2	103	1	200	200	Exist	180	ordered
Product C	3	105	4	220	880	Exist	198	ordered
Product D	4	106	3	130	390	Exist	117	ordered
Product E	5	102	5	150	750	Exist	135	ordered
Product F	6	104	6	90	540	Exist	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.

Lab Assignment VLookUp - Microsoft Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

Clipboard Font Alignment Number Styles

	A	B	C	D	E	F	G	H	I	J	K
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								
9											
10											
11											
12											
13											
14											
15											
16											
17											

Formula:
=SUMIF(' Worksheet 2 Orders'!D2:D7,' Q7'!B2,' Worksheet 2 Orders'!C2:C7)
=SUMIF(' Worksheet 2 Orders'!D2:D7,' Q7'!B3,' Worksheet 2 Orders'!C2:C7)
=SUMIF(' Worksheet 2 Orders'!D2:D7,' Q7'!B4,' Worksheet 2 Orders'!C2:C7)
=SUMIF(' Worksheet 2 Orders'!D2:D7,' Q7'!B5,' Worksheet 2 Orders'!C2:C7)
=SUMIF(' Worksheet 2 Orders'!D2:D7,' Q7'!B6,' Worksheet 2 Orders'!C2:C7)
=SUMIF(' Worksheet 2 Orders'!D2:D7,' Q7'!B7,' Worksheet 2 Orders'!C2:C7)

Formula:
=VLOOKUP(A2,' Worksheet1 Products'!A1:C7,2,0)