

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

ANS-=VLOOKUP(H4,A1:E12,2,0)

=VLOOKUP(H2,A1:E12,2,0)												
	A	B	C	D	E	F	G	H	I	J	K	L
	Product Id	Product Name	HS Code	Seller Name	Qty Sold			Product Id	Product Name	HS Code	Seller Name	Qty Sold
2	P101	Laptop	H101	Amit	30			P101	Laptop			
3	P102	Mobile	H102	Raj	66			P102	Mobile			
4	P103	Speaker	H103	Neha	44			P103	Speaker			
5	P104	Headphone	H104	Dinesh	24			P104	Headphone			
6	P105	Trimmer	H105	Kumud	90			P105	Trimmer			
7	P106	Charger	H106	Keshav	120			P106	Charger			
8	P107	Mouse	H107	Hari	40			P107	Mouse			
9	P108	Motherboard	H108	Mohit	20			P108	Motherboard			
10	P109	Battery	H109	Jitendra	80			P109	Battery			
11	P110	LED	H110	Kartik	400			P110	LED			
12	P111	Laptop	H111	Dipika	200			P111	Laptop			
13												
14												

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(H2:H12,A1:F12,5,0)*F2

=VLOOKUP(H2:H12,A1:F12,5,0)*F2										
	A	B	C	D	E	F	G	H	L	M
	Product Id	Product Name	HS Code	Seller Name	Qty Sold	PRICE		Product Id	Qty Sold	PRICE
2	P101	Laptop	H101	Amit	30	500		P101	30	15000
3	P102	Mobile	H102	Raj	66	120		P102	66	33000
4	P103	Speaker	H103	Neha	44	200		P103	44	22000
5	P104	Headphone	H104	Dinesh	24	100		P104	24	12000
6	P105	Trimmer	H105	Kumud	90	66		P105	90	45000
7	P106	Charger	H106	Keshav	120	65		P106	120	60000
8	P107	Mouse	H107	Hari	40	505		P107	40	20000
9	P108	Motherboard	H108	Mohit	20	884		P108	20	10000
10	P109	Battery	H109	Jitendra	80	10		P109	80	40000
11	P110	LED	H110	Kartik	400	658		P110	400	200000
12	P111	Laptop	H111	Dipika	200	10		P111	200	100000
13										
14										

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

ANS- =IFERROR(VLOOKUP(H2,A1:F12,2,0),"do not exist")

L3									
=IFERROR(VLOOKUP(H3,A2:F13,2,0),"do not exist")									
	A	B	C	D	E	F	G	H	L
1	Product Id	Product Name	HS Code	Seller Name	Qty Sold	PRICE		Product Id	Qty Sold
2	P101	Laptop	H101	Amit	30	500		P112	do not exist
3	P102	Mobile	H102	Raj	66	120		P102	Mobile
4	P103	Speaker	H103	Neha	44	200		P103	Speaker
5	P104	Headphone	H104	Dinesh	24	100		P104	Headphone
6	P105	Trimmer	H105	Kumud	90	66		P105	Trimmer
7	P106	Charger	H106	Keshav	120	65		P106	Charger
8	P107	Mouse	H107	Hari	40	505		P107	Mouse
9	P108	Motherboard	H108	Mohit	20	884		P108	Motherboard
10	P109	Battery	H109	Jitendra	80	10		P109	Battery
11	P110	LED	H110	Kartik	400	658		P110	LED
12	P111	Laptop	H111	Dipika	200	10		P111	Laptop
13									
14									
15									

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 =VLOOKUP(I12,A11:G22,6,0)*0.9

M2									
=VLOOKUP(I2,A1:G12,6,0)*0.9									
	A	B	C	D	E	F	G	H	I
1	Product Id	Product Name	HS Code	Seller Name	Qty Sold	PRICE	Discount		Product Id
2	P101	Laptop	H101	Amit	30	500	10%		P101
3	P102	Mobile	H102	Raj	66	120	10%		P102
4	P103	Speaker	H103	Neha	44	200	10%		P103
5	P104	Headphone	H104	Dinesh	24	100	10%		P104
6	P105	Trimmer	H105	Kumud	90	66	10%		P105
7	P106	Charger	H106	Keshav	120	65	10%		P106
8	P107	Mouse	H107	Hari	40	505	10%		P107
9	P108	Motherboard	H108	Mohit	20	884	10%		P108
10	P109	Battery	H109	Jitendra	80	10	10%		P109
11	P110	LED	H110	Kartik	400	658	10%		P110
12	P111	Laptop	H111	Dipika	200	10	10%		P111
13									

5. 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- =VLOOKUP(I2,A1:G12,6,0)*0.9

=MAX(M2:M12)

SUM ✖ ✓ <i>f_x</i> =VLOOKUP(I2,A1:G12,6,0)*0.9											
	A	B	C	D	E	F	G	H	I	M	N
1	Product Id	Product Name	HS Code	Seller Name	Qty Sold	PRICE	Discount		Product Id	counted p	maximum order value
2	P101	Laptop	H101	Amit	30	500	10%		P101	0.9	796
3	P102	Mobile	H102	Raj	66	120	10%		P102	108	
4	P103	Speaker	H103	Neha	44	200	10%		P103	180	
5	P104	Headphone	H104	Dinesh	24	100	10%		P104	90	
6	P105	Trimmer	H105	Kumud	90	66	10%		P105	59	
7	P106	Charger	H106	Keshav	120	65	10%		P106	59	
8	P107	Mouse	H107	Hari	40	505	10%		P107	455	
9	P108	Motherboard	H108	Mohit	20	884	10%		P108	796	
10	P109	Battery	H109	Jitendra	80	10	10%		P109	9	
11	P110	LED	H110	Kartik	400	658	10%		P110	592	
12	P111	Laptop	H111	Dipika	200	10	10%		P111	9	
13											
14											
15											
16											
17											

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

ANS- =IF(ISNUMBER(VLOOKUP(G2,A1:E12,5,0)),"order", "not order")

H3 =IF(ISNUMBER(VLOOKUP(G3,A2:E13,5,0)),"order","not order")								
	A	B	C	D	E	F	G	H
1	Product Id	Product Name	HS Code	Seller Name	Qty Sold		Product Id	Qty Sold (order,not order)
2	P101	Laptop	H101	Amit	30		P102	order
3	P102	Mobile	H102	Raj	66		P112	not order
4	P103	Speaker	H103	Neha	44		P103	order
5	P104	Headphon	H104	Dinesh	24		P104	order
6	P105	Trimmer	H105	Kumud	90		P105	order
7	P106	Charger	H106	Keshav	120		P106	order
8	P107	Mouse	H107	Hari	40		P107	order
9	P108	Motherbo	H108	Mohit	20		P108	order
10	P109	Battery	H109	Jitendra	80		P109	order
11	P110	LED	H110	Kartik	400		P110	order
12	P111	Laptop	H111	Dipika	200		P111	order
13								
14								

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

ANS- =SUMIF(B2:B12,B1,E2:E12)

[illegible]