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.

Clipboard				Font			Alignment
D2			f_x	=(VLOOKUP(B2,Sheet1!A1:C7,2,0))			

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

Formula: =(VLOOKUP(B2,Sheet1!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.

	Clipboard			Font			Alignment	

E2			f_x	=VLOOKUP(B2,Sheet1!A1:C7,3,0)				

	A	B	C	D	E	F	G
1	product id	ProductID	Product quantity	Product	Price	total price	
2	1	101	2	Product A	120	240	
3	2	102	1	Product B	150	150	
4	3	103	4	Product C	200	800	
5	4	104	3	Product D	90	270	
6	5	105	5	Product E	220	1100	
7	6	106	6	Product F	130	780	
8							
9							
10							

Formula: =VLOOKUP(B2,Sheet1!A1:C7,3,0) and   =E2*C2 (to get total cost)

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

	Clipboard			Font			Alignment			Number

G2			f_x	=IF(ISNA(VLOOKUP(B2,Sheet1!A1:C7,1,0)),"not found","found")						

	A	B	C	D	E	F	G	H	I
1	product id	ProductID	Product quantity	Product	Price	total price	status		
2	1	101	2	Product A	120	240	found		
3	2	102	1	Product B	150	150	found		
4	3	103	4	Product C	200	800	found		
5	4	104	3	Product D	90	270	found		
6	5	105	5	Product E	220	1100	found		
7	6	106	6	Product F	130	780	found		
8									
9									

Formula: =IF(ISNA(VLOOKUP(B2,Sheet1!A1:C7,1,0)),"not found","found")

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

| H2 | | ▾ | f_x | =E2*0.9 | | | |

A	B	C	D	E	F	G	H
product id	ProductID	Product quantity	Product	Price	total price	status	Discounted price
1	101	2	Product A	120	240	found	108
2	102	1	Product B	150	150	found	135
3	103	4	Product C	200	800	found	180
4	104	3	Product D	90	270	found	81
5	105	5	Product E	220	1100	found	198
6	106	6	Product F	130	780	found	117

Formula: =E2*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.

	A	B	C	D	E	F	G	H	I
1	product id	ProductID	Product quantity	Product	Price	total price	status	Discounted price	
2	1	101	2	Product A	120	240	found	108	
3	2	102	1	Product B	150	150	found	135	
4	3	103	4	Product C	200	800	found	180	
5	4	104	3	Product D	90	270	found	81	
6	5	105	5	Product E	220	1100	found	198	
7	6	106	6	Product F	130	780	found	117	
8				order value	910				
9				max order value	220				

Formula: **=SUM(E2:E7) & =MAX(E2:E7)**

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

	A	B	C	D	E	F	G	H	I
1	product id	ProductID	Product quantity	Product	Price	total price	status	Discounted price	order
2	1	101	2	Product A	120	240	found	108	ordered
3	2	102	1	Product B	150	150	found	135	ordered
4	3	103	4	Product C	200	800	found	180	ordered
5	4	104	3	Product D	90	270	found	81	ordered
6	5	105	5	Product E	220	1100	found	198	ordered
7	6	106	6	Product F	130	780	found	117	ordered
8				order value	910				
9				max order value	220				
10									

Formula: **=IF(ISNA(VLOOKUP(B2,Sheet1!A1:C7,1,0)),"not ordered","ordered")**

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

	C2			f_x	=VLOOKUP(B2,Sheet1!A1:D7,2,0)					

	A	B	C	D	E	F	G	H	I
	OrderID	ProductID	product					product	product sold
	1	101	Product A					Product A	0
	2	102	Product B					Product B	0
	3	103	Product C					Product C	0
	4	104	Product D					Product D	0
	5	105	Product E					Product E	0
	6	106	Product F					Product F	0

Formula: =VLOOKUP(B2,Sheet1!A1:D7,2,0) &
=SUMIF(Sheet4!B2:B7,Sheet4!H2,Sheet1!D2:D7)