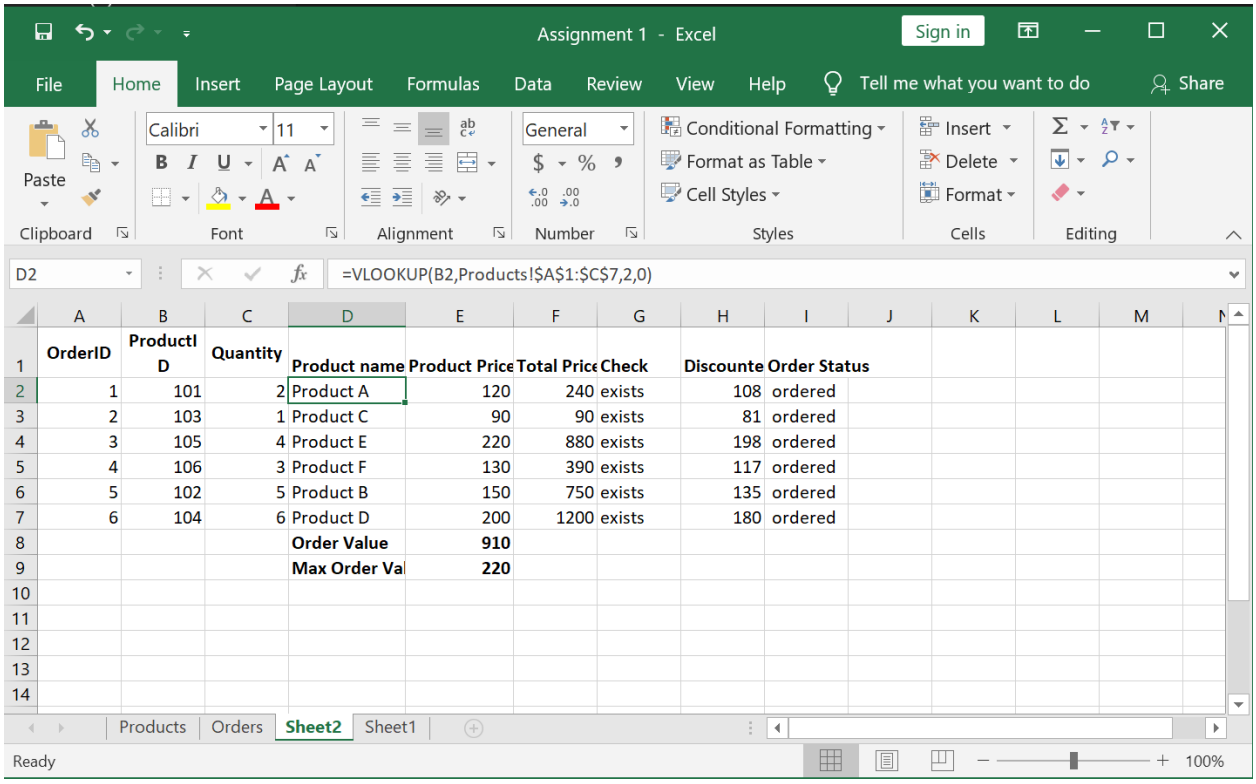
Topic : VLOOKUP (Vertical Lookup Function)

LAB ASSIGNMENT 1

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

Formula Used :

=VLOOKUP(B2,Products!$A$1:$C$7,2,0)



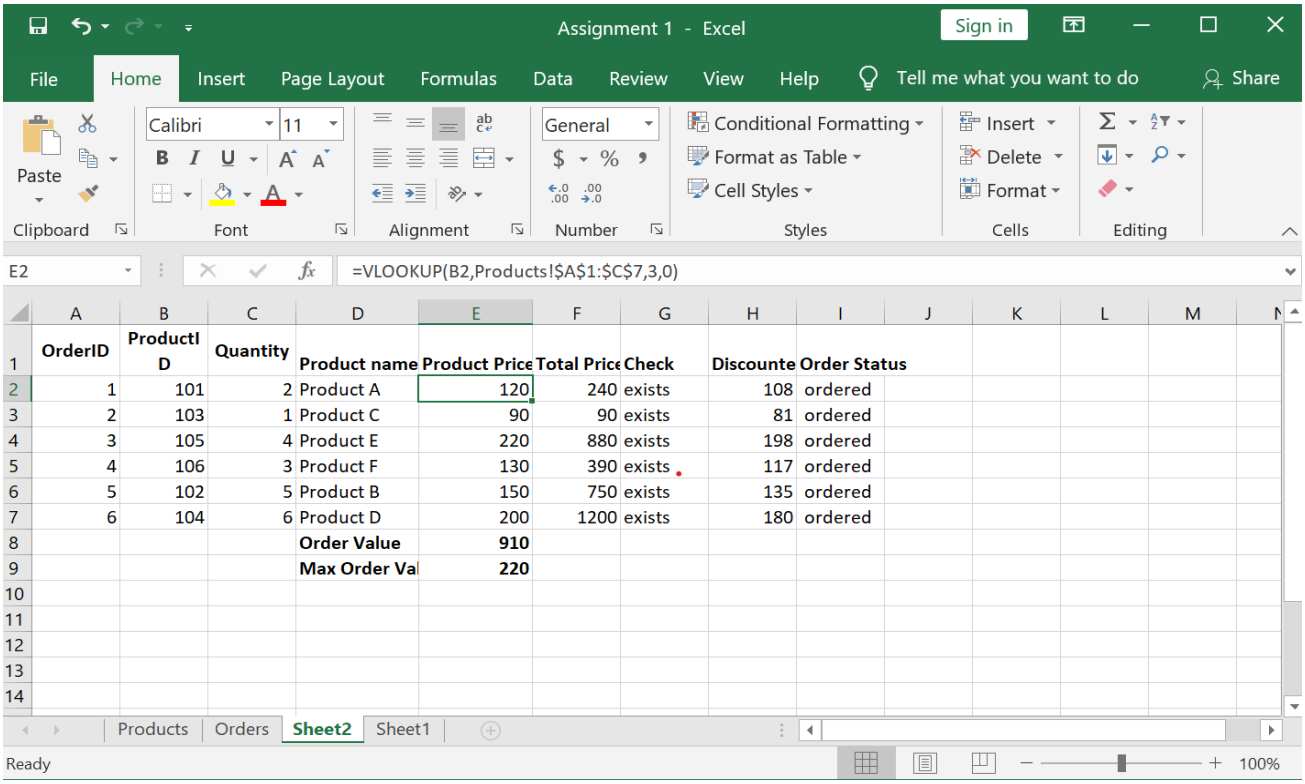
	A	B	C	D	E	F	G	H	I
1	OrderID	ProductID	Quantity	Product name	Product Price	Total Price	Check	Discounte	Order Status
2	1	101	2	Product A	120	240	exists	108	ordered
3	2	103	1	Product C	90	90	exists	81	ordered
4	3	105	4	Product E	220	880	exists	198	ordered
5	4	106	3	Product F	130	390	exists	117	ordered
6	5	102	5	Product B	150	750	exists	135	ordered
7	6	104	6	Product D	200	1200	exists	180	ordered
8				Order Value	910				
9				Max Order Val	220				

Topic : VLOOKUP (Vertical Lookup Function)

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.

Formula Used:

I) to find the price for each ProductID :
=VLOOKUP(B2,Products!$A$1:$C$7,3,0)



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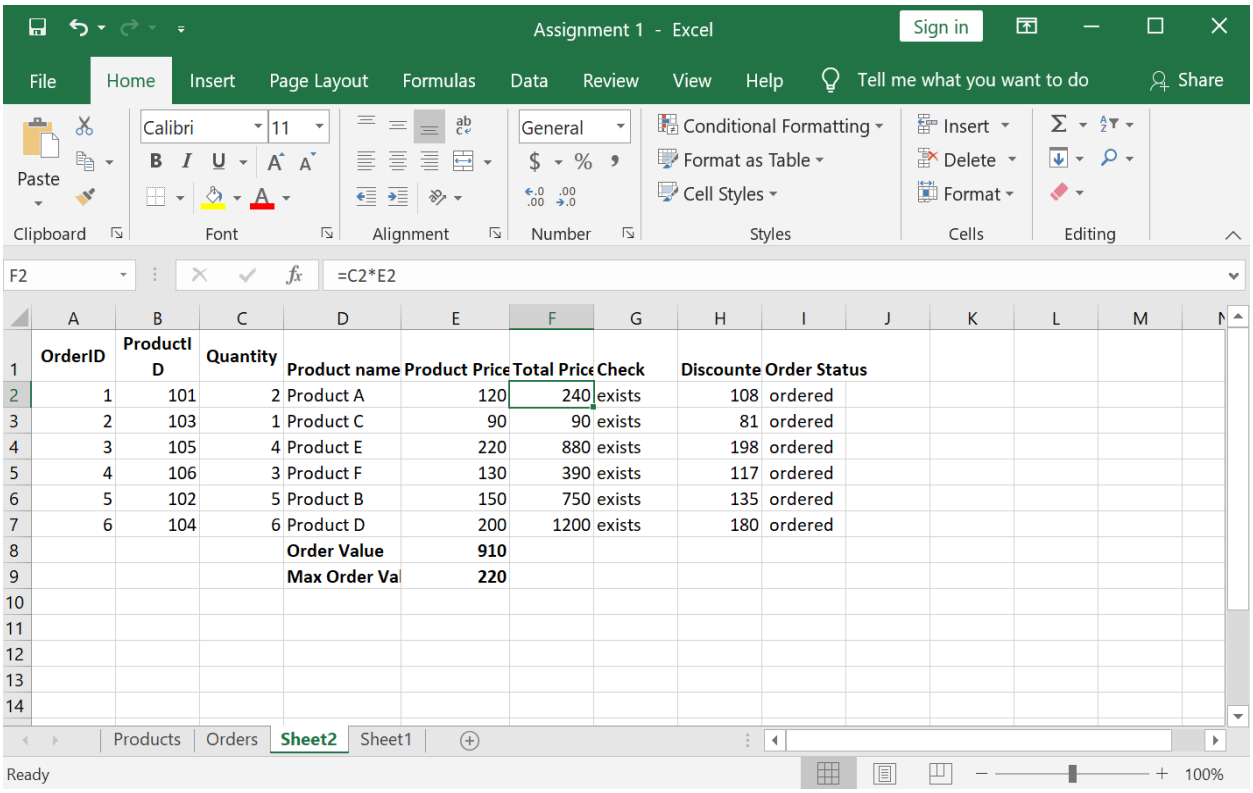
8				**Order Value**	**910**				
9				**Max Order Va**	**220**				
10									
11									
12									
13									
14									

Topic : VLOOKUP (Vertical Lookup Function)

II) Calculate the TotalPrice by multiplying the Quantity by the Product Price.: **=C2*E2**



	A	B	C	D	E	F	G	H	I
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13									
14									

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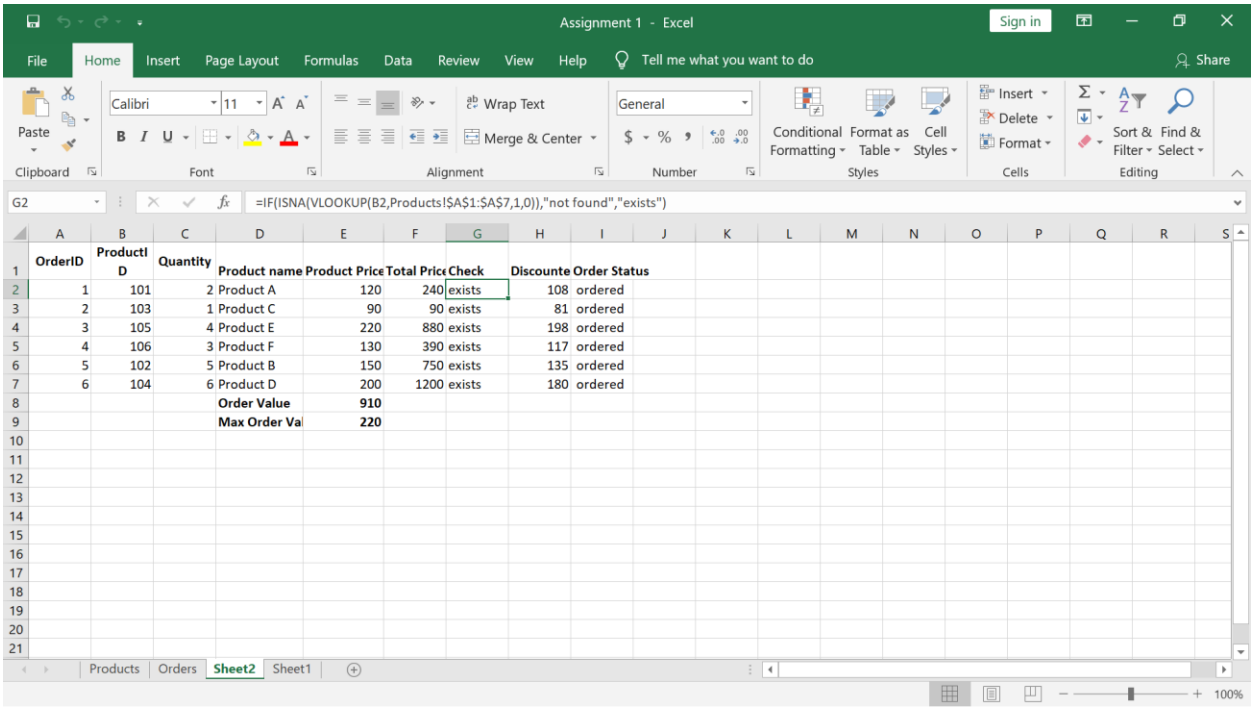
3. Use VLOOKUP to check if there are any ProductIDs in the Orders worksheet that do not exist in the Products worksheet.

Formula Used :

=IF(ISNA(VLOOKUP(B2,Products!$A$1:$A$7,1,0)),"not found","exists")



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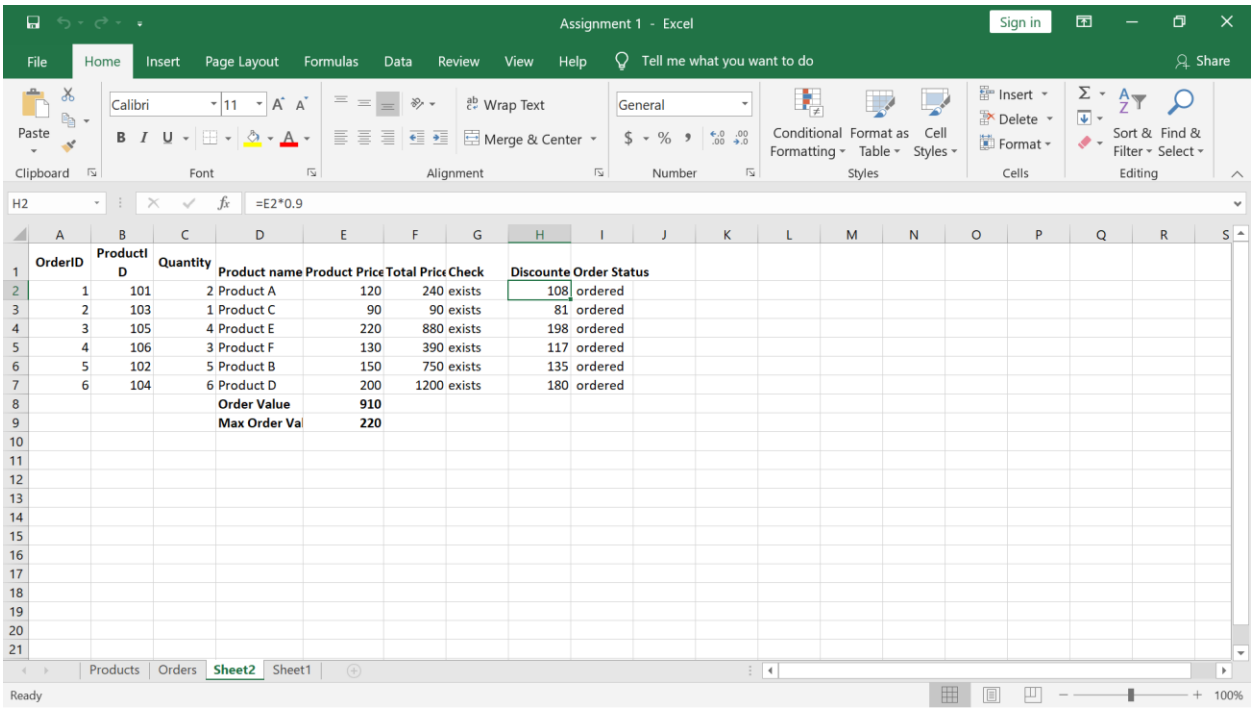
4. Assume a discount of 10% is given on all products. Use VLOOKUP to find the original price and then calculate the discounted price.

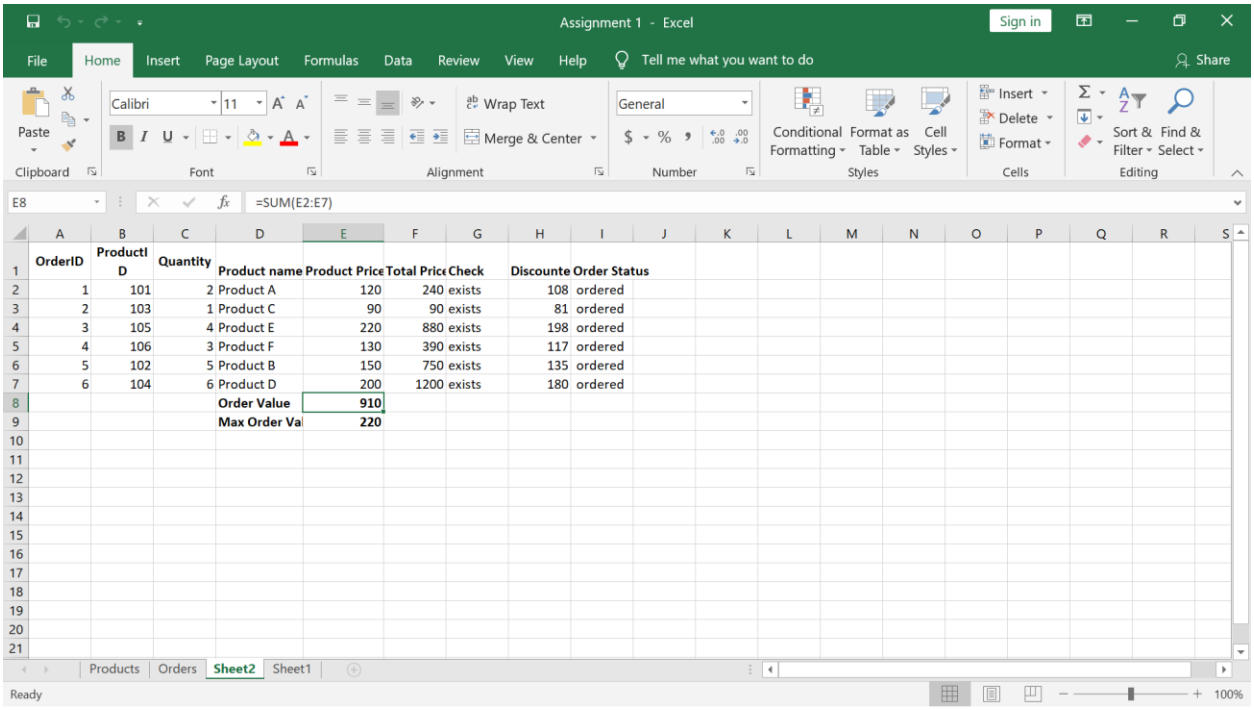
   Formula used :
   =E2*0.9



Topic : VLOOKUP (Vertical Lookup Function)

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

   I. Formula Used to calculate the order value :
   =SUM(E2:E7)



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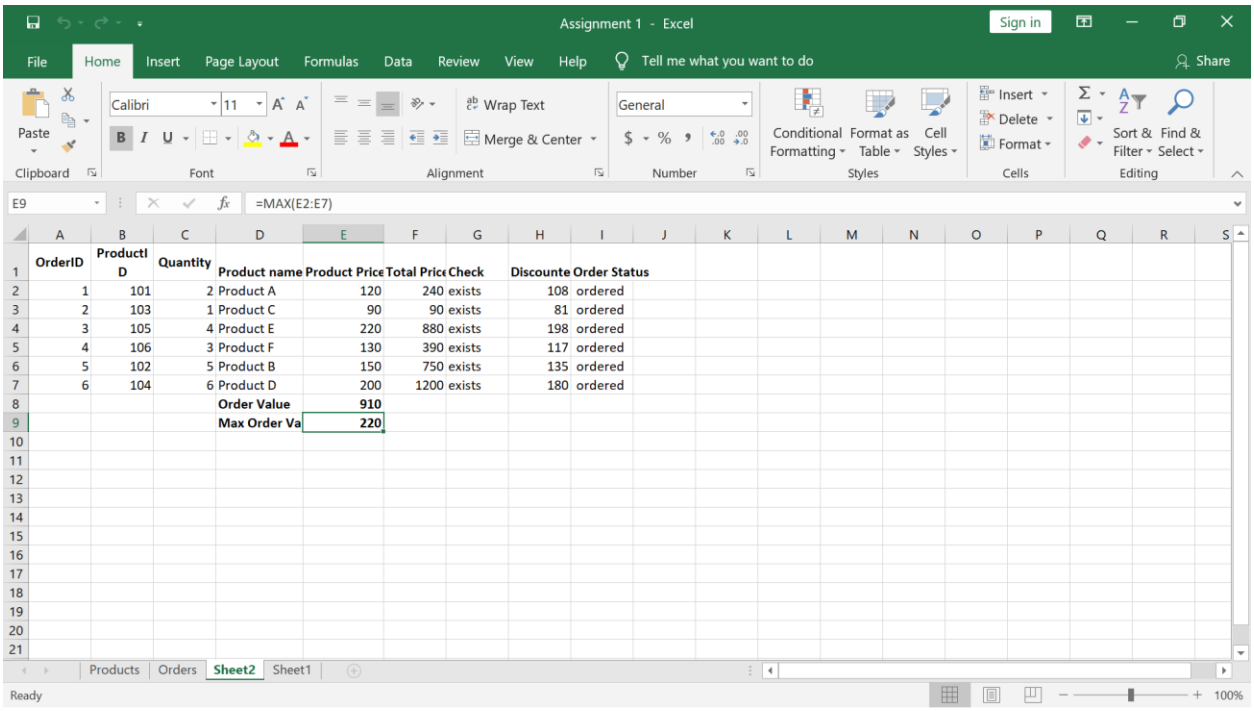
II. Formula Used to find the maximum order value from the list :
=MAX(E2:E7)



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	OrderID	ProductI D	Quantity	Product name	Product Price	Total Price	Check	Discounte	Order Status										
2	1	101	2	Product A	120	240	exists	108	ordered										
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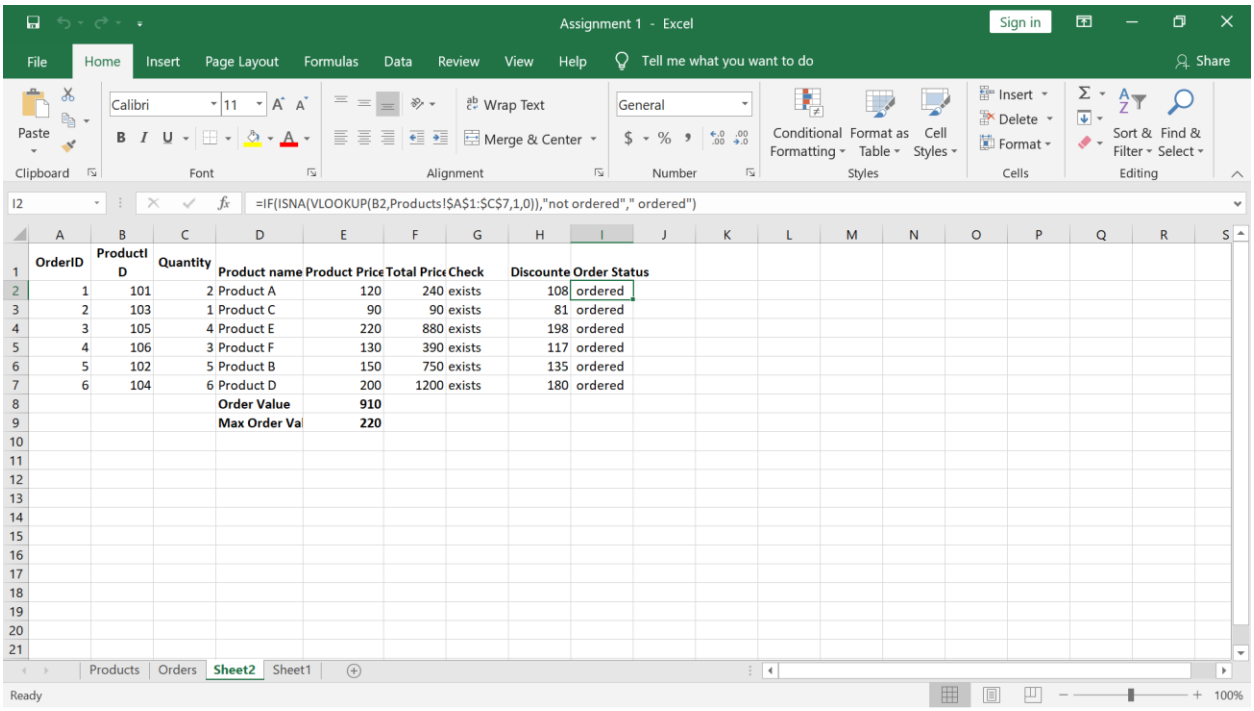
6. Use VLOOKUP to find out which products from the Products worksheet have not been ordered.

Formula Used :

=IF(ISNA(VLOOKUP(B2,Products!$A$1:$C$7,1,0)),"not ordered"," ordered")



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8				**Order Value**	**910**				
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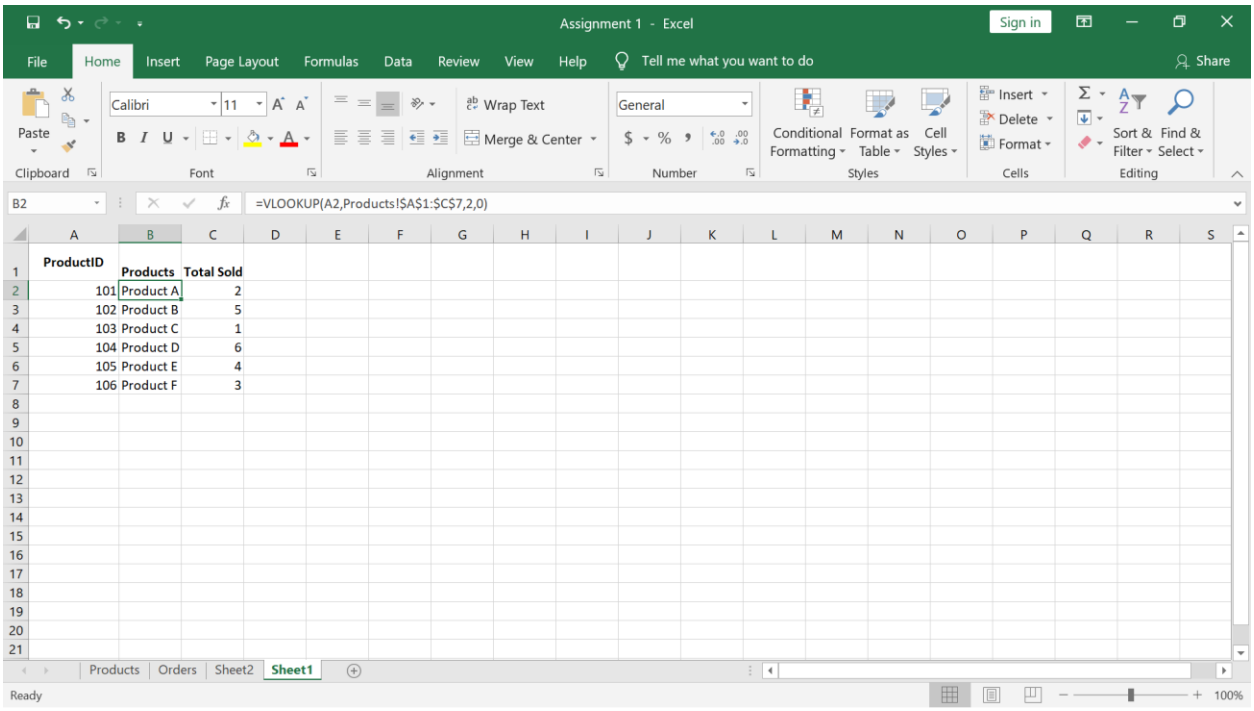
7. Use VLOOKUP to find the Product name and summarize the total quantity sold for each product.

   i. Formula Used to find the Product name :
   =VLOOKUP(A2,Products!$A$1:$C$7,2,0)



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ii. Formula Used to summarize the total quantity sold for each product.:
=SUMIF(Orders!$B$1:$B$7,Sheet1!A2,Orders!$C$1:$C$7)