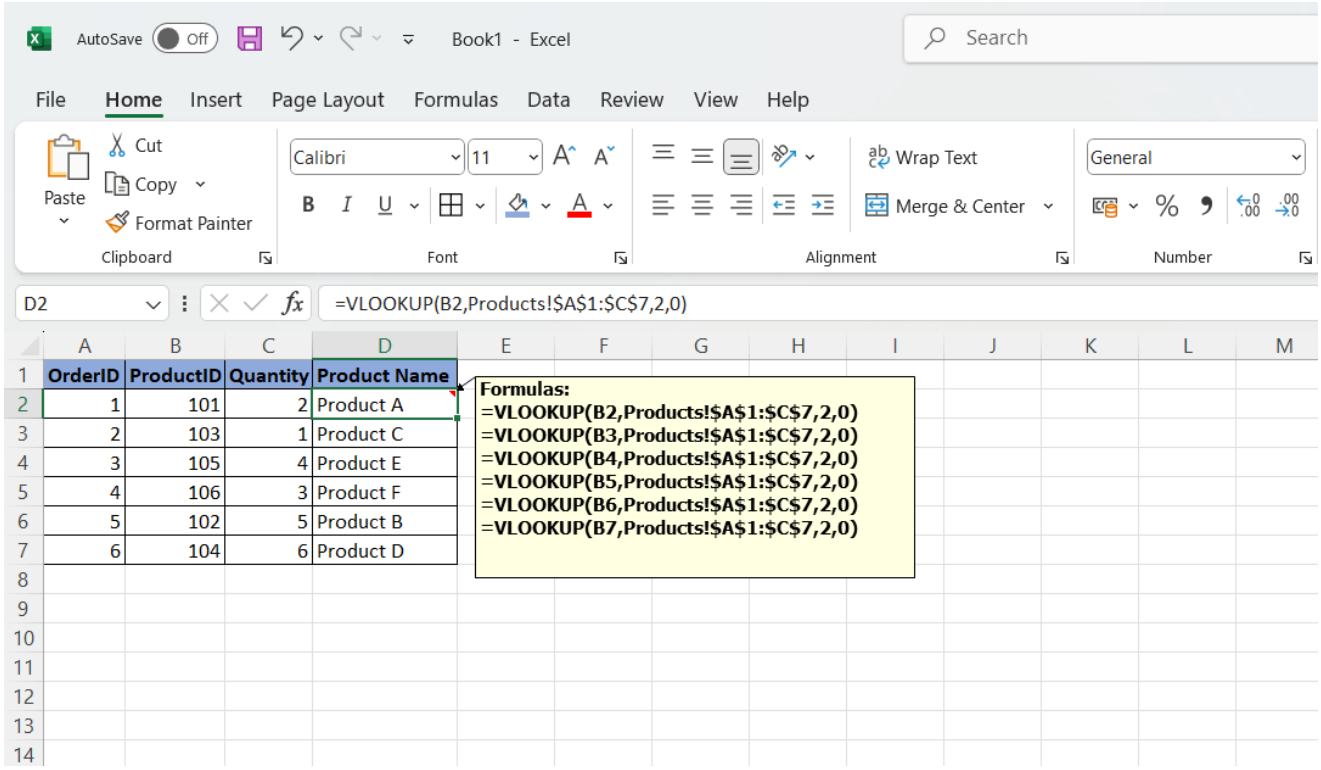
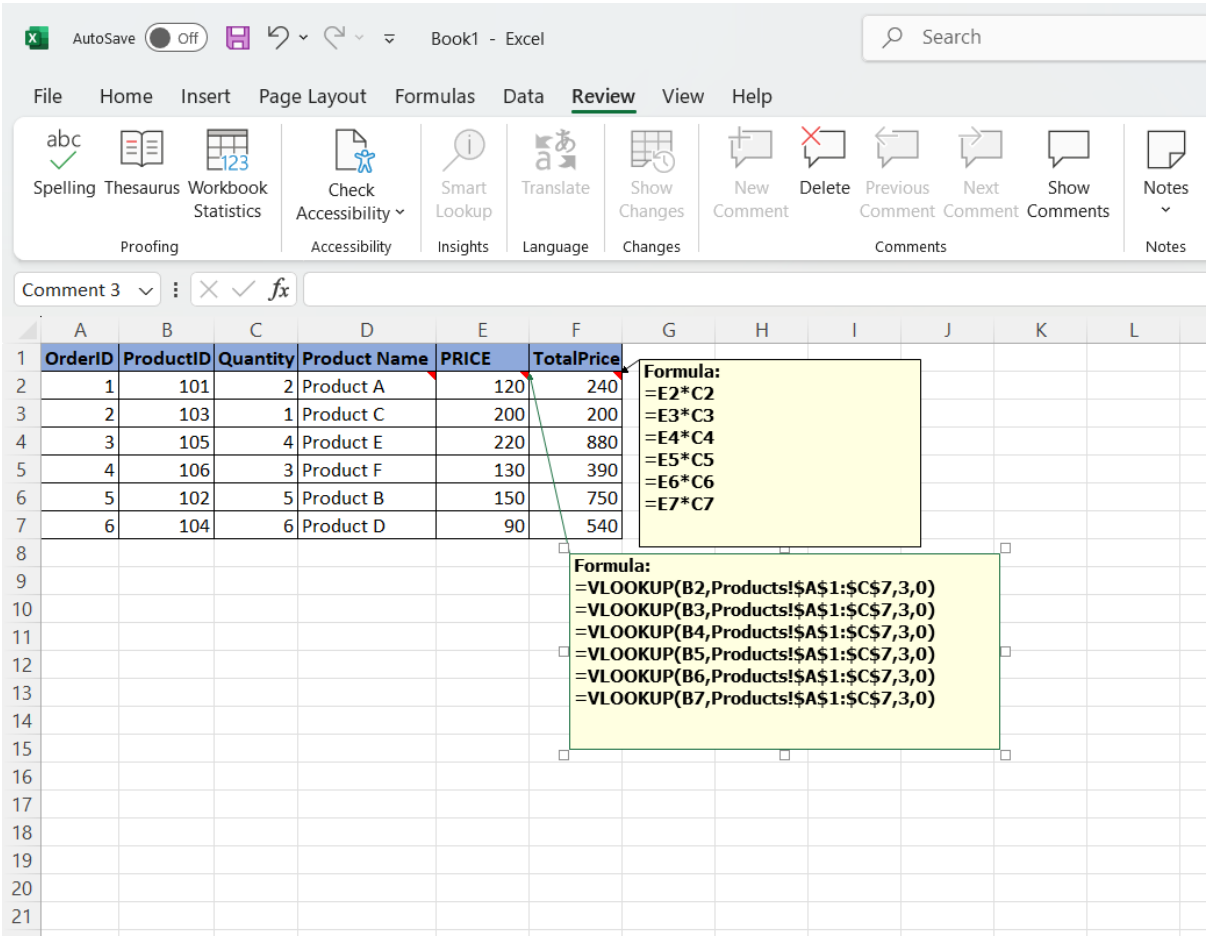
LAB ASSINGMENT-1

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



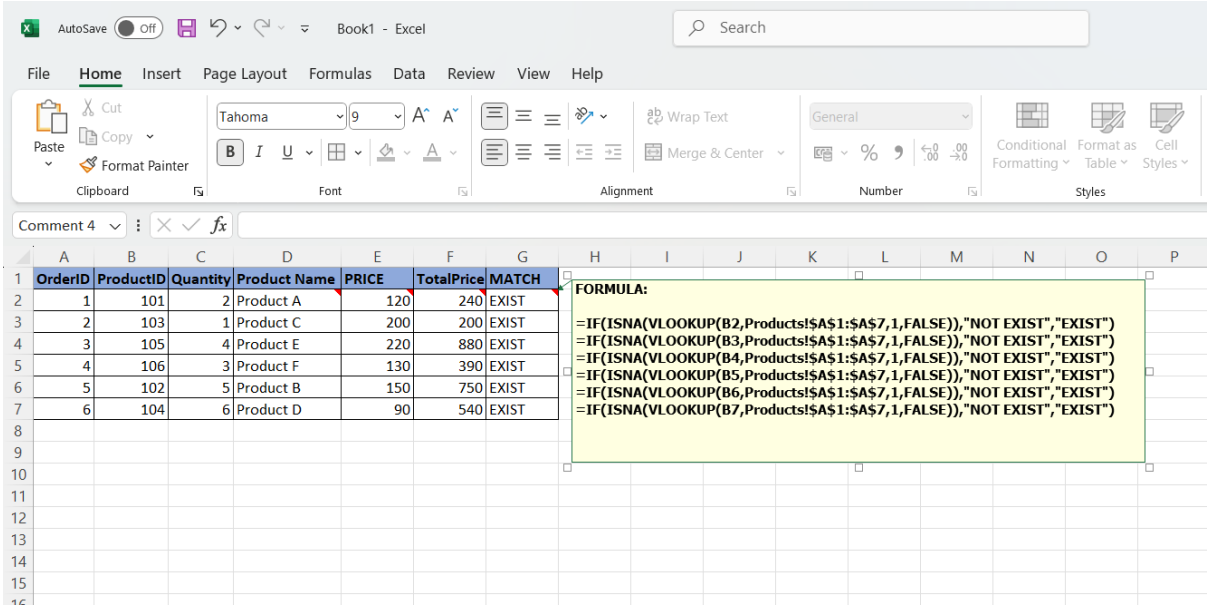
OrderID	ProductID	Quantity	Product Name
1	101	2	Product A
2	103	1	Product C
3	105	4	Product E
4	106	3	Product F
5	102	5	Product B
6	104	6	Product D

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.



OrderID	ProductID	Quantity	Product Name	PRICE	TotalPrice
1	101	2	Product A	120	240
2	103	1	Product C	200	200
3	105	4	Product E	220	880
4	106	3	Product F	130	390
5	102	5	Product B	150	750
6	104	6	Product D	90	540

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



OrderID	ProductID	Quantity	Product Name	PRICE	TotalPrice	MATCH
1	101	2	Product A	120	240	EXIST
2	103	1	Product C	200	200	EXIST
3	105	4	Product E	220	880	EXIST
4	106	3	Product F	130	390	EXIST
5	102	5	Product B	150	750	EXIST
6	104	6	Product D	90	540	EXIST

FORMULA:

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=IF(ISNA(VLOOKUP(B2,Products!$A$1:$A$7,1,FALSE)),"NOT EXIST","EXIST")
=IF(ISNA(VLOOKUP(B3,Products!$A$1:$A$7,1,FALSE)),"NOT EXIST","EXIST")
=IF(ISNA(VLOOKUP(B4,Products!$A$1:$A$7,1,FALSE)),"NOT EXIST","EXIST")
=IF(ISNA(VLOOKUP(B5,Products!$A$1:$A$7,1,FALSE)),"NOT EXIST","EXIST")
=IF(ISNA(VLOOKUP(B6,Products!$A$1:$A$7,1,FALSE)),"NOT EXIST","EXIST")
=IF(ISNA(VLOOKUP(B7,Products!$A$1:$A$7,1,FALSE)),"NOT EXIST","EXIST")
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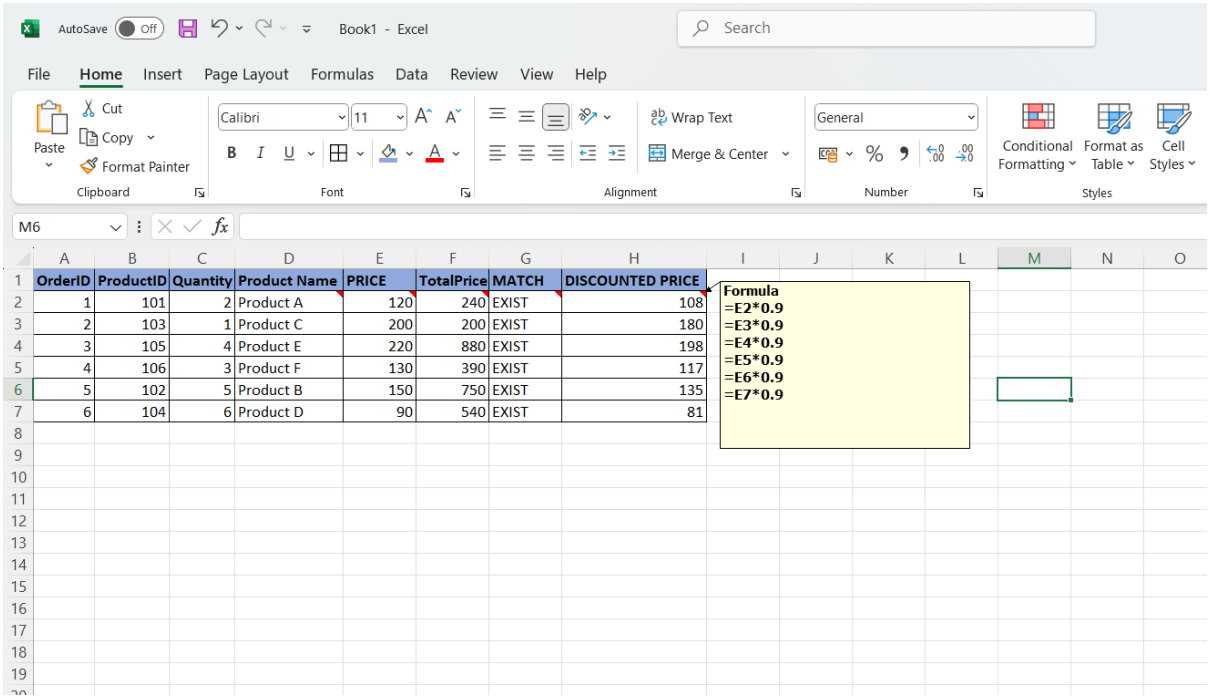
4. Assume a discount of 10% is given on all products. Use VLOOKUP to find the original price and then calculate the discounted price.



OrderID	ProductID	Quantity	Product Name	PRICE	TotalPrice	MATCH	DISCOUNTED PRICE
1	101	2	Product A	120	240	EXIST	108
2	103	1	Product C	200	200	EXIST	180
3	105	4	Product E	220	880	EXIST	198
4	106	3	Product F	130	390	EXIST	117
5	102	5	Product B	150	750	EXIST	135
6	104	6	Product D	90	540	EXIST	81

Formula

```
=E2*0.9
=E3*0.9
=E4*0.9
=E5*0.9
=E6*0.9
=E7*0.9
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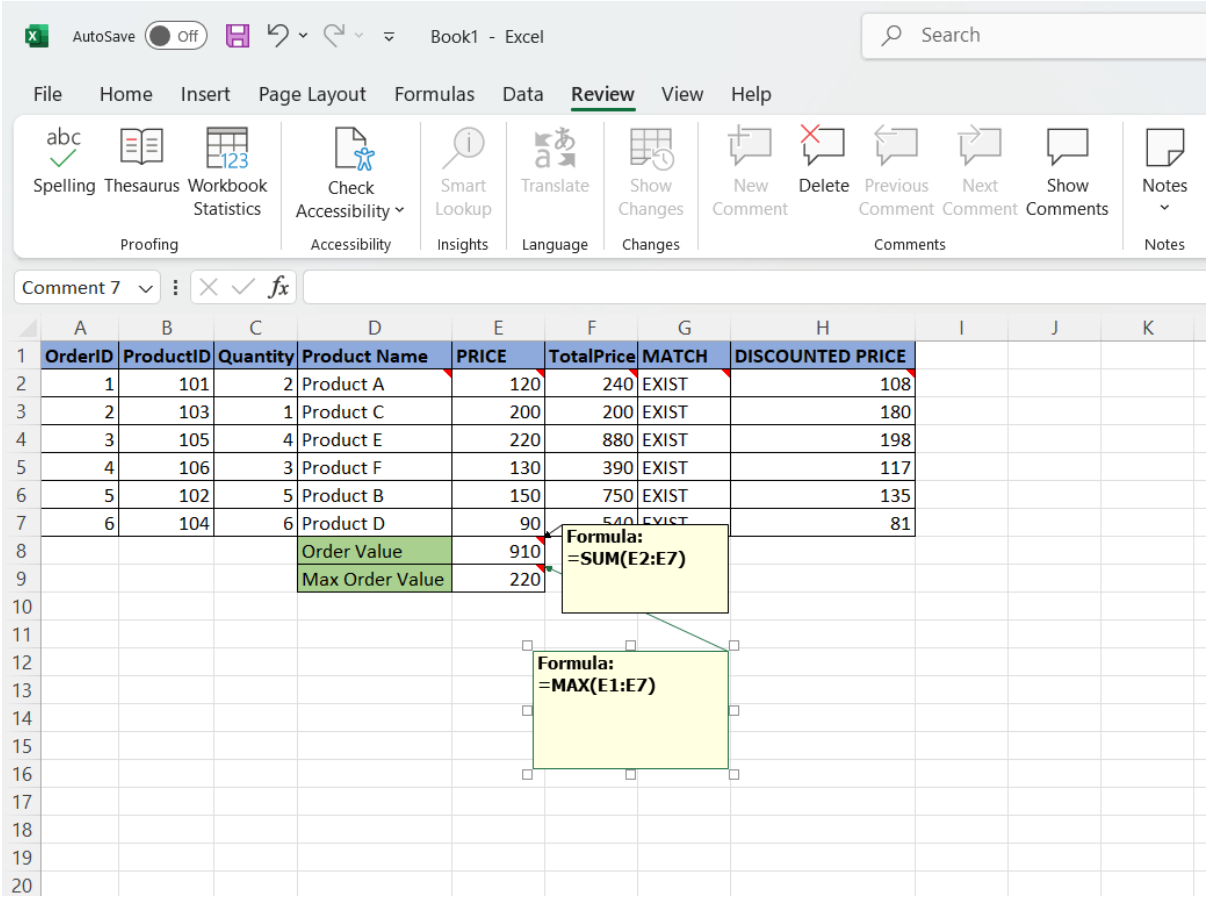
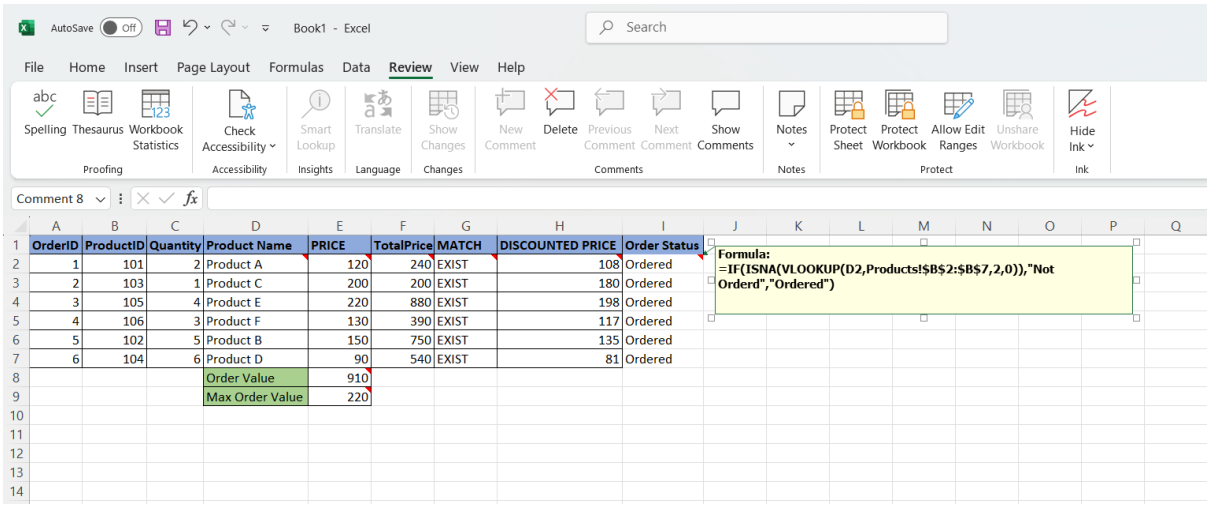
5. Use VLOOKUP to find the price for each ProductID and then calculate the order value. Find the maximum order value from the list.



OrderID	ProductID	Quantity	Product Name	PRICE	TotalPrice	MATCH	DISCOUNTED PRICE
1	101	2	Product A	120	240	EXIST	108
2	103	1	Product C	200	200	EXIST	180
3	105	4	Product E	220	880	EXIST	198
4	106	3	Product F	130	390	EXIST	117
5	102	5	Product B	150	750	EXIST	135
6	104	6	Product D	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.



OrderID	ProductID	Quantity	Product Name	PRICE	TotalPrice	MATCH	DISCOUNTED PRICE	Order Status
1	101	2	Product A	120	240	EXIST	108	Ordered
2	103	1	Product C	200	200	EXIST	180	Ordered
3	105	4	Product E	220	880	EXIST	198	Ordered
4	106	3	Product F	130	390	EXIST	117	Ordered
5	102	5	Product B	150	750	EXIST	135	Ordered
6	104	6	Product D	90	540	EXIST	81	Ordered
			Order Value	910				
			Max Order Value	220				

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