Lab Assignment – VLOOKUP Function

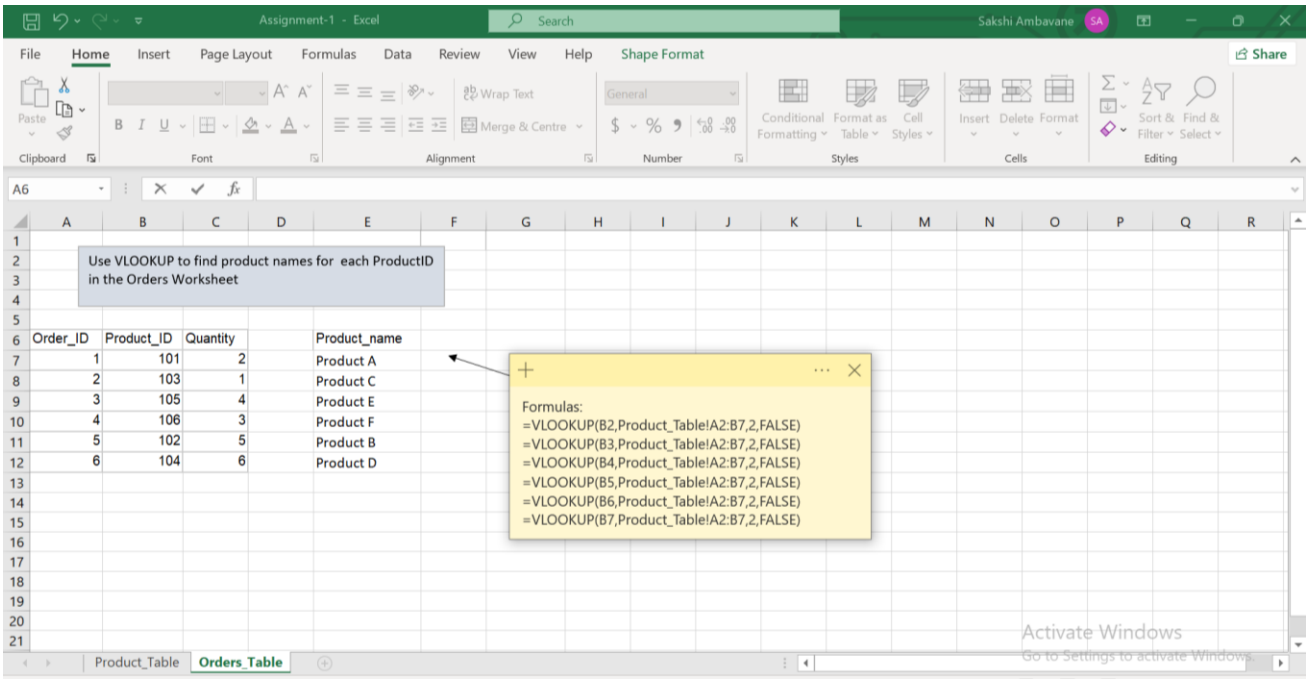
Worksheet 1: Products

ProductID	Product	Price
101	Product A	120
102	Product B	150
103	Product C	200
104	Product D	90
105	Product E	220
106	Product F	130

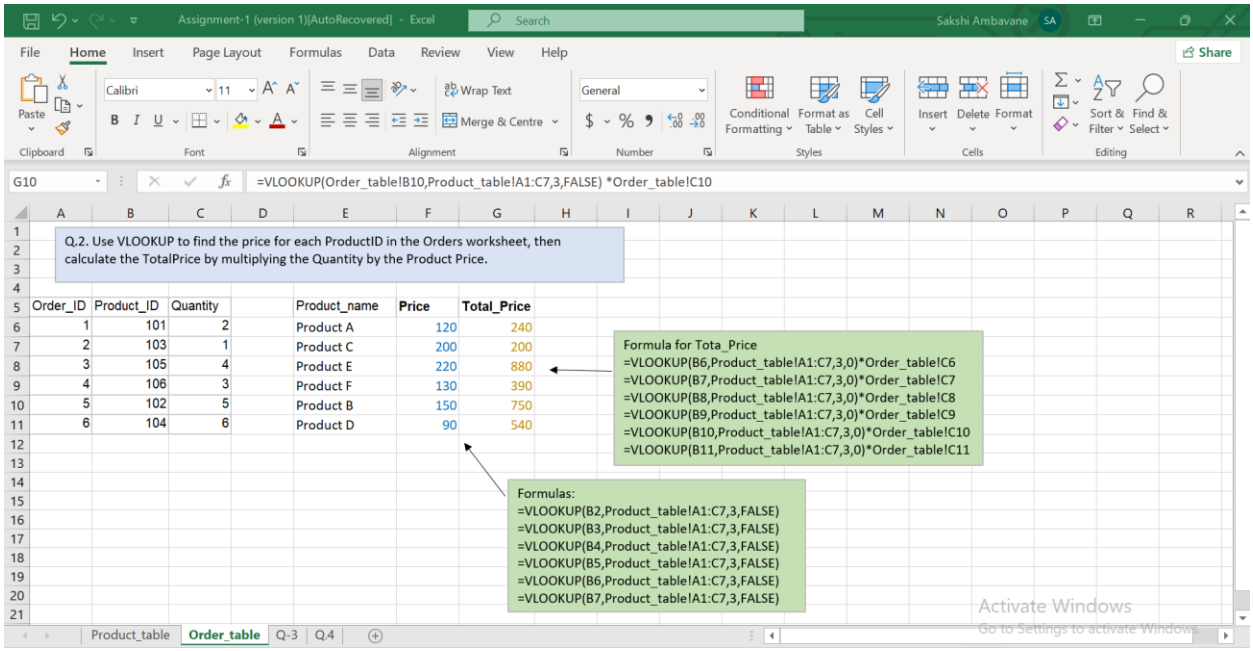
Worksheet 2: Orders

OrderID	ProductID	Quantity
1	101	2
2	103	1
3	105	4
4	106	3
5	102	5
6	104	6

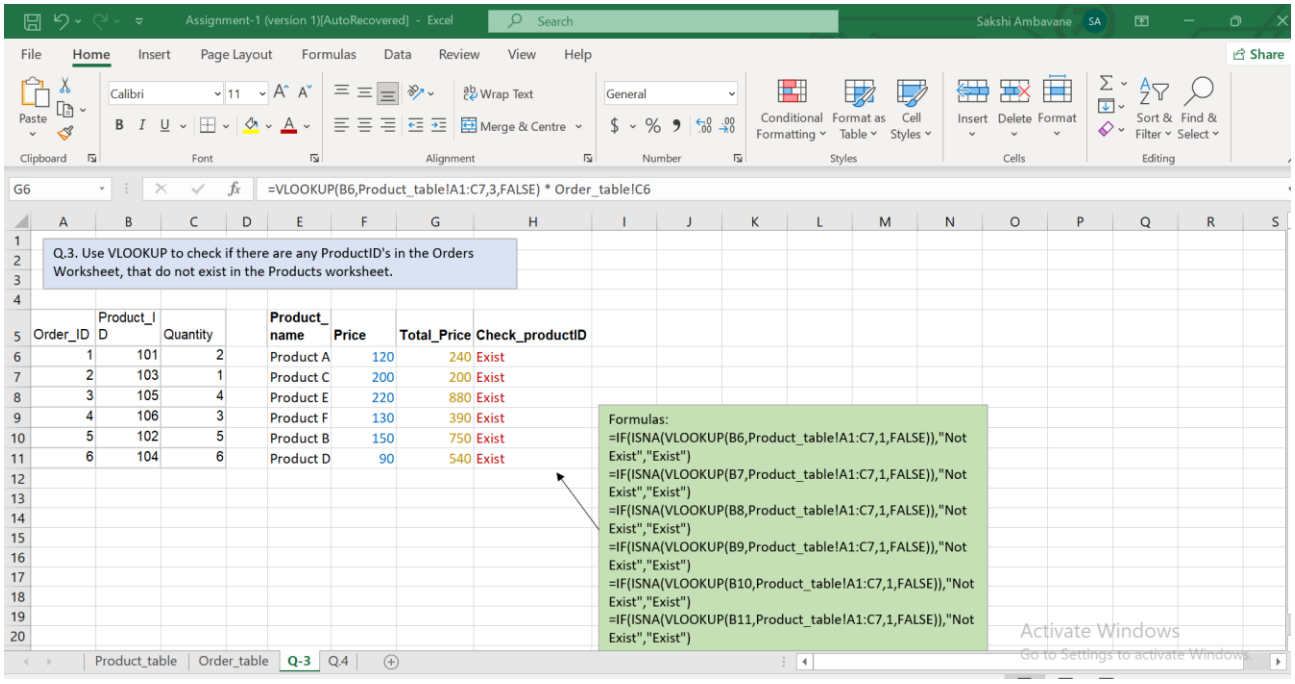
Q.1. Use VLOOKUP to find the product names for each ProductID in the Orders worksheet.



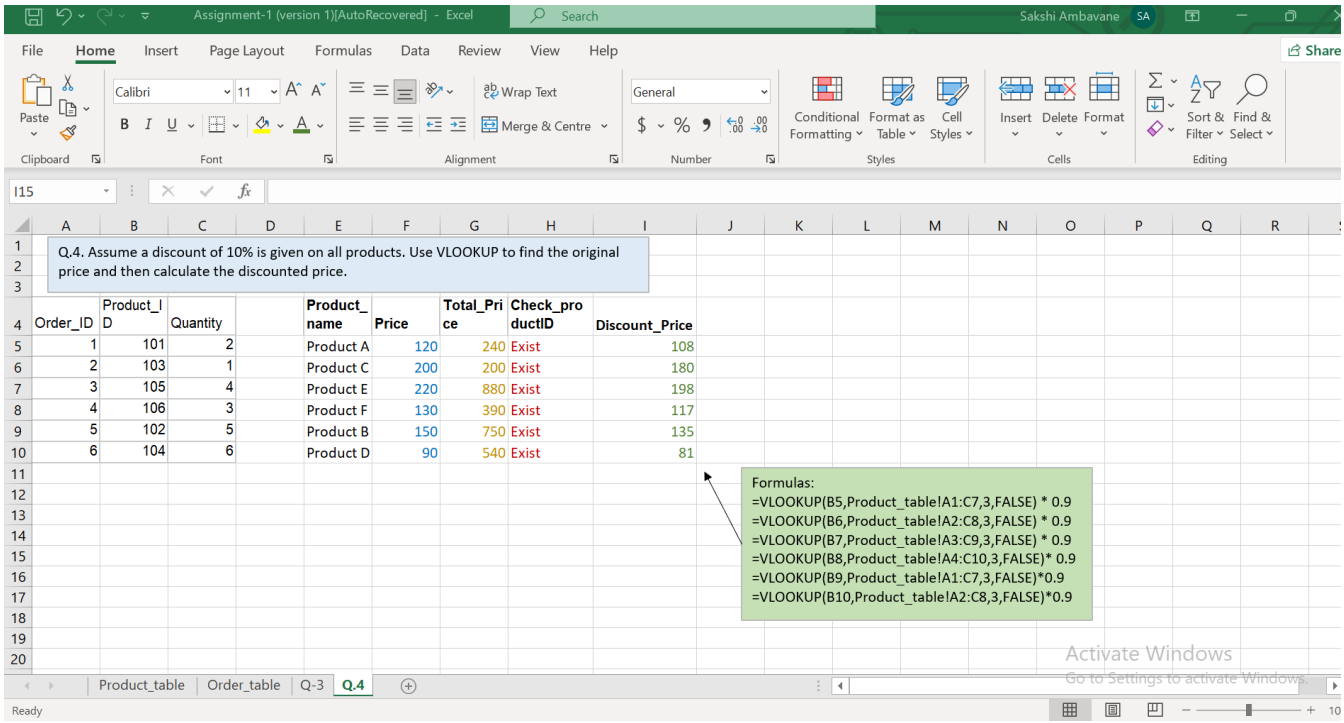
Q.2. Use VLOOKUP to find the price for each ProductID in the Orders worksheet, then calculate the TotalPrice by multiplying the Quantity by the Product Price.



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



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.

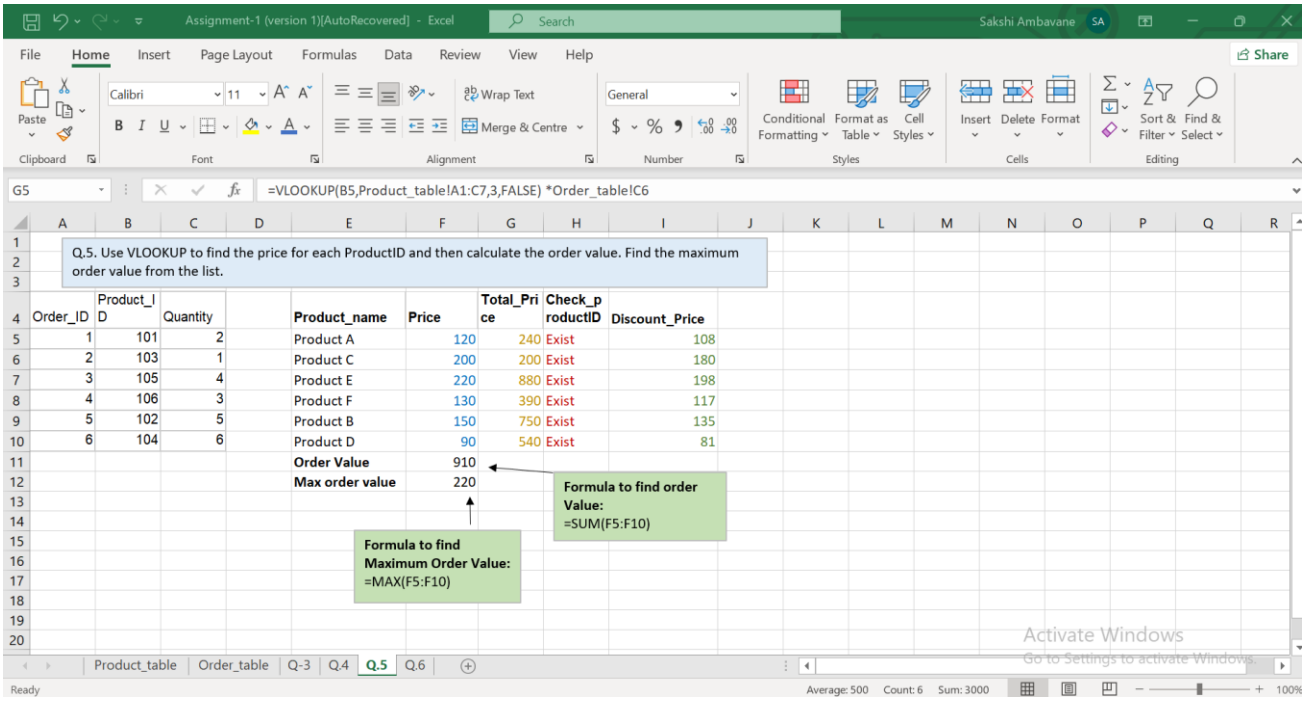


Q.4. Assume a discount of 10% is given on all products. Use VLOOKUP to find the original price and then calculate the discounted price.

Order_ID	Product_ID	Quantity	Product_name	Price	Total_Price	Check_productID	Discount_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

Formulas:
=VLOOKUP(B5,Product_table!A1:C7,3,FALSE) * 0.9
=VLOOKUP(B6,Product_table!A2:C8,3,FALSE) * 0.9
=VLOOKUP(B7,Product_table!A3:C9,3,FALSE) * 0.9
=VLOOKUP(B8,Product_table!A4:C10,3,FALSE)* 0.9
=VLOOKUP(B9,Product_table!A1:C7,3,FALSE)*0.9
=VLOOKUP(B10,Product_table!A2:C8,3,FALSE)*0.9

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



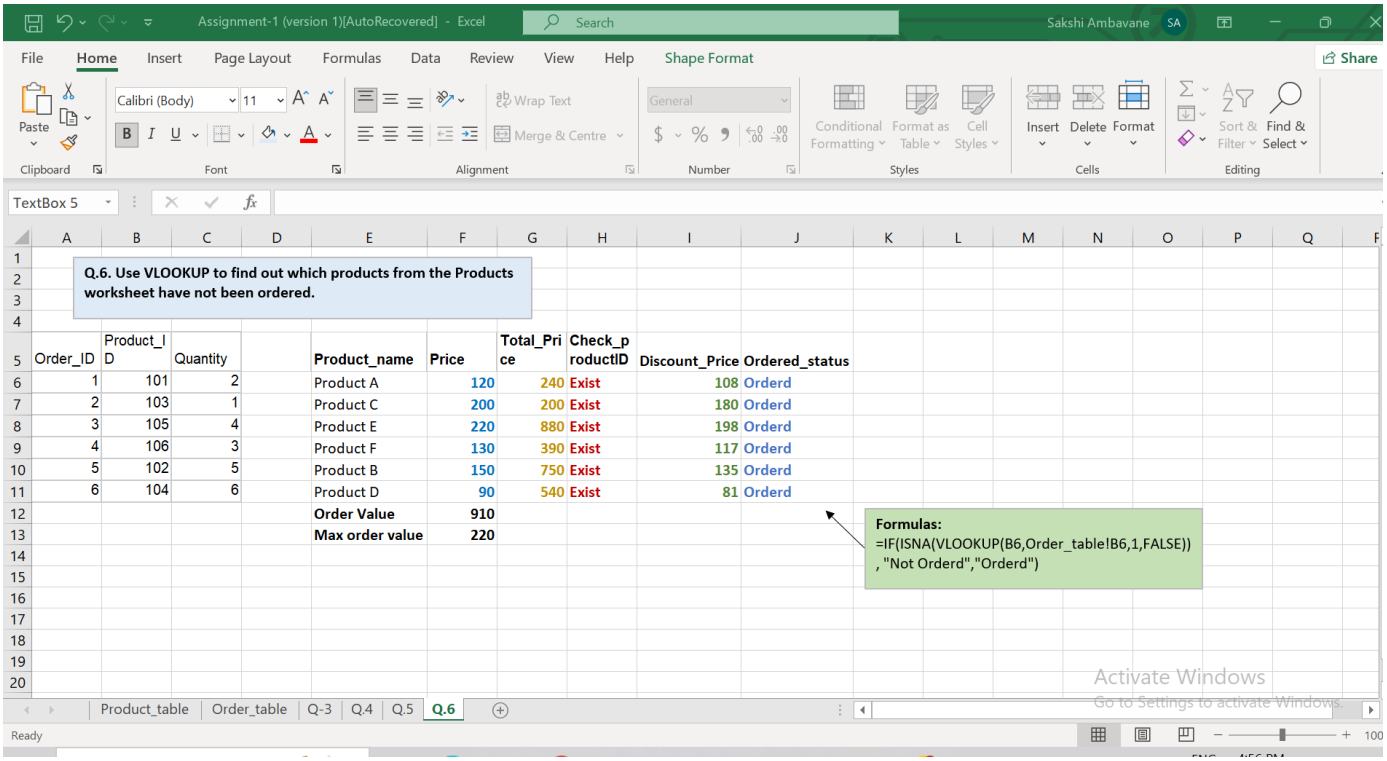
Q.5. Use VLOOKUP to find the price for each ProductID and then calculate the order value. Find the maximum order value from the list.

Order_ID	Product_ID	Quantity	Product_name	Price	Total_Price	Check_productID	Discount_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			

Formula to find order Value:
=SUM(F5:F10)

Formula to find Maximum Order Value:
=MAX(F5:F10)

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



Assignment-1 (version 1)[AutoRecovered] - Excel

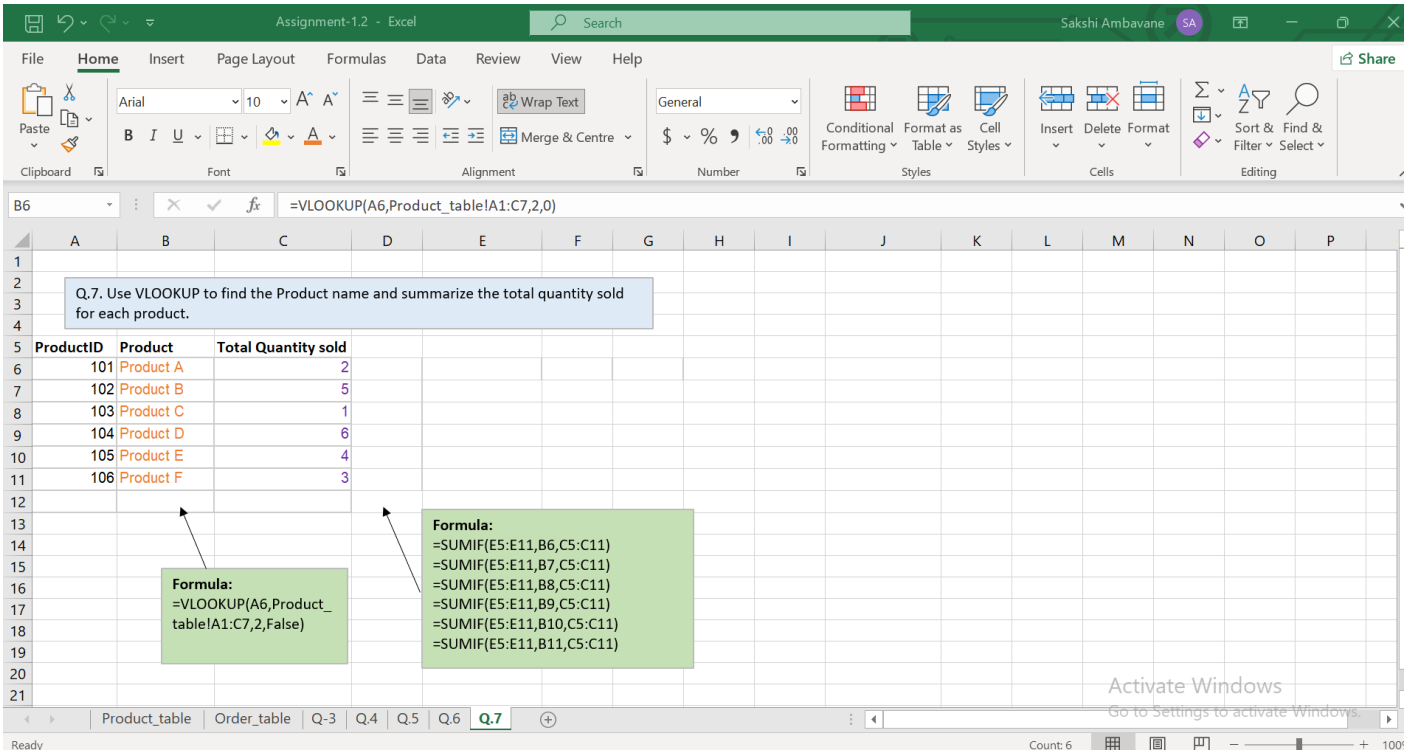
Q.6. Use VLOOKUP to find out which products from the Products worksheet have not been ordered.

Order_ID	Product_ID	Quantity
1	101	2
2	103	1
3	105	4
4	106	3
5	102	5
6	104	6

Product_name	Price	Total_Price	Check_productID	Discount_Price	Ordered_status
Product A	120	240	Exist	108	Orderd
Product C	200	200	Exist	180	Orderd
Product E	220	880	Exist	198	Orderd
Product F	130	390	Exist	117	Orderd
Product B	150	750	Exist	135	Orderd
Product D	90	540	Exist	81	Orderd
Order Value	910				
Max order value	220				

Formulas:
=IF(ISNA(VLOOKUP(B6,Order_table!B6,1,FALSE)),"Not Orderd","Orderd")

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



Assignment-1.2 - Excel

=VLOOKUP(A6,Product_table!A1:C7,2,0)

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

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

Formula:
=VLOOKUP(A6,Product_table!A1:C7,2,False)

Formula:
=SUMIF(E5:E11,B6,C5:C11)
=SUMIF(E5:E11,B7,C5:C11)
=SUMIF(E5:E11,B8,C5:C11)
=SUMIF(E5:E11,B9,C5:C11)
=SUMIF(E5:E11,B10,C5:C11)
=SUMIF(E5:E11,B11,C5:C11)