

# LAB ASSIGNMENT - 2

**Q.1** Use VLOOKUP to find the product names for each Product ID in the Orders worksheet.

**ANS.** =VLOOKUP(B2,products!A1:C7,2,FALSE)

OrderId	ProductID	Quantity	QUESTION:-1
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

**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.

**ANS.** =VLOOKUP(B2,products!A1:C7,3,FALSE)\*C2

OrderId	ProductID	Quantity	QUESTION:-2
1	101	2	240
2	102	1	150
3	103	4	800
4	104	3	270
5	105	5	1100
6	106	6	780

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

**ANS.** =IF(ISNA(VLOOKUP(B2,products!A1:A7,1,FALSE)),"NOT FOUND"," FOUND")

OrderId	ProductID	Quantity	QUESTION:- 3
1	101	2	FOUND
2	102	1	FOUND
3	103	4	FOUND
4	104	3	FOUND
5	105	5	FOUND
6	106	6	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.

**ANS.** =VLOOKUP(B2, products!A1:C7, 3, FALSE)\*(1-10%)

OrderID	ProductID	Quantity	QUESTION:- 4
1	101	2	108
2	102	1	135
3	103	4	180
4	104	3	81
5	105	5	198
6	106	6	117

**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.

**ANS.** =VLOOKUP(B2, products!A1:C7, 3, FALSE)\*C2 , =MAX(D2:D7)

OrderID	ProductID	Quantity	QUESTION:-5
1	101	2	240
2	102	1	150
3	103	4	800
4	104	3	270
5	105	5	1100
6	106	6	780

**QUESTION:-5**  
**MAXIMUM ORDER**  
**VALUE**

1100

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

**ANS.** =IF(ISNA(VLOOKUP(B2, products!A1:A7, 2, FALSE)), "Not Ordered", "Ordered")

OrderID	ProductID	Quantity	QUESTION:-6
1	101	2	Ordered
2	102	1	Ordered
3	103	4	Ordered
4	104	3	Ordered
5	105	5	Ordered
6	106	6	Ordered

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

**ANS.** =VLOOKUP(B2, products!A:B, 2, FALSE), =SUMIF(B1:B7, B2,C1:C7)

OrderID	ProductID	Quantity	QUESTION:-7
1	101	2	Product A 2
2	102	1	Product B 1
3	103	4	Product C 4
4	104	3	Product D 3
5	105	5	Product E 5
6	106	6	Product F 6