LAB-III VLOOKUP

|  |  |  |
| --- | --- | --- |
| 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 |

|  |  |  |  |
| --- | --- | --- | --- |
| Order ID | ProductID | Quantity | Total Price |
| 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.

|  |  |  |  |
| --- | --- | --- | --- |
| Order ID | ProductID | Quantity | Product |
| 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.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Order ID | ProductID | Quantity | price | Total Price |
| 1 | 101 | 2 | 120 | 240 |
| 2 | 103 | 1 | 200 | 200 |
| 3 | 105 | 4 | 220 | 880 |
| 4 | 106 | 3 | 130 | 390 |
| 5 | 102 | 5 | 150 | 750 |
| 6 | 104 | 6 | 90 | 540 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Order ID | ProductID | Quantity | Category |
| 1 | 101 | 2 | Exist |
| 2 | 103 | 1 | Exist |
| 3 | 105 | 4 | Exist |
| 4 | 106 | 3 | Exist |
| 5 | 102 | 5 | Exist |
| 6 | 104 | 6 | Exist |

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 | ProductID | Quantity | price | Discount |
| 1 | 101 | 2 | 120 | 108 |
| 2 | 103 | 1 | 200 | 180 |
| 3 | 105 | 4 | 220 | 198 |
| 4 | 106 | 3 | 130 | 117 |
| 5 | 102 | 5 | 150 | 135 |
| 6 | 104 | 6 | 90 | 81 |

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 | ProductID | Quantity | price |
| 1 | 101 | 2 | 120 |
| 2 | 103 | 1 | 200 |
| 3 | 105 | 4 | 220 |
| 4 | 106 | 3 | 130 |
| 5 | 102 | 5 | 150 |
| 6 | 104 | 6 | 90 |
| 21 |  |  | 220 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Order ID | ProductID | Quantity | Product | Category |
| 1 | 101 | 2 | Product A | Order |
| 2 | 103 | 1 | Product C | Order |
| 3 | 105 | 4 | Product E | Order |
| 4 | 106 | 3 | Product F | Order |
| 5 | 102 | 5 | Product B | Order |
| 6 | 104 | 6 | Product D | Order |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Order ID | ProductID | Quantity | Product |
| 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 |
|  |  | 21 |  |