1. Write a query to have the following Output

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Inv No. | Inv. Date | Cust Id | Cust Name | Gross Sales | Disc. Amt | Net Amount |
| 2324-001 | 01-jan-24 | C1001 | Zeal Electronics | 5735.25 | 733.02 | 5002.23 |
| 2324-002 |  |  |  |  |  |  |
| 2324-003 |  |  |  |  |  |  |
| 2324-004 |  |  |  |  |  |  |
| 2324-005 |  |  |  |  |  |  |
| 2324-006 |  |  |  |  |  |  |
| 2324-007 |  |  |  |  |  |  |

**SELECT sil\_inv\_no "Inv.No",**

**sih\_inv\_date "Inv.Date",**

**sih\_cust\_id "Cust id",**

**(SELECT cust\_name**

**FROM cust\_master**

**WHERE cust\_id = sih\_cust\_id)"Cust Name",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,**

**sales\_inv\_ln**

**WHERE sih\_inv\_no = sil\_inv\_no**

**GROUP BY sil\_inv\_no,**

**sih\_inv\_date,**

**sih\_cust\_id**

**ORDER BY sil\_inv\_no;**

1. Write a query to have the following Output

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cust Id | Cust Name | Gross Sales | Disc. Amt | Net Amount |
| C1001 | Zeal Electronics | XXXX | XXXX | XXXX |
|  |  |  |  |  |
|  |  |  |  |  |

**SELECT sih\_cust\_id "Cust id",**

**(SELECT cust\_name**

**FROM cust\_master**

**WHERE cust\_id = sih\_cust\_id)"Cust Name",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**\_ FROM sales\_inv\_hdr,**

**sales inv\_ln**

**WHERE sih\_inv\_no = sil\_inv\_no**

**GROUP BY sih\_cust\_id**

**ORDER BY sih\_cust\_id;**

1. Write a query to have the following Output

|  |  |  |  |
| --- | --- | --- | --- |
| Cust Group | Gross Sales | Disc. Amt | Net Amount |
| Group 1 | XXXX | XXXX | XXXX |
| Group 2 | XXXX | XXXX | XXXX |
| Group 3 | XXXX | XXXX | XXXX |

**SELECT cust\_group "Cust Group",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,cust\_master,sales\_inv\_ln**

**WHERE sih\_cust\_id = cust\_id**

**AND sih\_inv\_no = sil\_inv\_no**

**GROUP BY cust\_group**

**ORDER BY cust\_group**

1. Write a query to have the following Output

|  |  |  |  |
| --- | --- | --- | --- |
| CITY NAME | Gross Sales | Disc. Amt | Net Amount |
| CHENNAI | XXXX | XXXX | XXXX |
| PUDUCHERRY | XXXX | XXXX | XXXX |
| BANGALORE | XXXX | XXXX | XXXX |
| CALICUT | XXXX | XXXX | XXXX |

**SELECT city\_name "City Name",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price \* sil\_disc\_pct / 100))) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,sales\_inv\_ln,cust\_master**

**WHERE sih\_cust\_id = cust\_id**

**AND sih\_inv\_no = sil\_inv\_no**

**GROUP BY city\_name**

1. Write a query to have the following Output

|  |  |  |  |
| --- | --- | --- | --- |
| STATE | Gross Sales | Disc. Amt | Net Amount |
| TAMILNADU | XXXX | XXXX | XXXX |
| PUDUCHERRY | XXXX | XXXX | XXXX |
| KARNATAKA | XXXX | XXXX | XXXX |
| KERALA | XXXX | XXXX | XXXX |

**SELECT state\_name "State Name",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price \* sil\_disc\_pct / 100))) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,sales\_inv\_ln,cust\_master**

**WHERE sih\_cust\_id = cust\_id**

**AND sih\_inv\_no = sil\_inv\_no**

**GROUP BY state\_name;**

1. Write a query to have the following Output

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Cust Id | Cust Name | Month | Gross Sales | Disc. Amt | Net Amount |
| C1001 | Zeal Electronics | Jan-24 | XXXX | XXXX | XXXX |
| C1001 | Zeal Electronics | Feb-24 | XXXX | XXXX | XXXX |
|  |  |  |  |  |  |

**SELECT sih\_cust\_id "Cust Id",**

**cust\_name "Cust Name",**

**TO\_CHAR(sih\_inv\_date,'MON-YY') "Month",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,sales\_inv\_ln,cust\_master**

**WHERE sih\_cust\_id = cust\_id**

**AND sih\_inv\_no = sil\_inv\_no**

**GROUP BY sih\_cust\_id, cust\_name,TO\_CHAR(sih\_inv\_date,'MON-YY')**

**order by TO\_CHAR(sih\_inv\_date,'MON-YY') desc**

1. Write a query to have the following Output

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cust Group | Month | Gross Sales | Disc. Amt | Net Amount |
| Group 1 | Jan-24 | XXXX | XXXX | XXXX |
| Group 1 | Feb-24 | XXXX | XXXX | XXXX |
| Group 2 | Jan-24 | XXXX | XXXX | XXXX |

**SELECT Cust\_Group "Cust Group",**

**TO\_CHAR(sih\_inv\_date,'MON-YY') "Month",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,sales\_inv\_ln,cust\_master**

**WHERE sih\_cust\_id = cust\_id**

**AND sih\_inv\_no = sil\_inv\_no**

**GROUP BY Cust\_Group,TO\_CHAR(sih\_inv\_date,'MON-YY')**

**order by Cust\_Group,TO\_CHAR(sih\_inv\_date,'MON-YY') desc**

1. Write a query to have the following Output

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CITY NAME | Month | Gross Sales | Disc. Amt | Net Amount |
| CHENNAI | Jan-24 | XXXX | XXXX | XXXX |
| CHENNAI | Feb-24 | XXXX | XXXX | XXXX |
| PUDUCHERRY |  | XXXX | XXXX | XXXX |
| BANGALORE |  | XXXX | XXXX | XXXX |
| CALICUT |  | XXXX | XXXX | XXXX |

**SELECT city\_name "City Name",**

**TO\_CHAR(sih\_inv\_date,'MON-YY') "Month",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,sales\_inv\_ln,cust\_master**

**WHERE sih\_cust\_id = cust\_id**

**AND sih\_inv\_no = sil\_inv\_no**

**GROUP BY city\_name,TO\_CHAR(sih\_inv\_date,'MON-YY')**

**order by city\_name,TO\_CHAR(sih\_inv\_date,'MON-YY') desc**

1. Write a query to have the following Output

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| STATE | Month | Gross Sales | Disc. Amt | Net Amount |
| TAMILNADU | Jan-24 | XXXX | XXXX | XXXX |
| TAMILNADU | Feb-24 | XXXX | XXXX | XXXX |
| PUDUCHERRY |  | XXXX | XXXX | XXXX |
| KARNATAKA |  | XXXX | XXXX | XXXX |
| KERALA |  | XXXX | XXXX | XXXX |

**SELECT state\_name "State",**

**TO\_CHAR(sih\_inv\_date,'MON-YY') "Month",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,sales\_inv\_ln,cust\_master**

**WHERE sih\_cust\_id = cust\_id**

**AND sih\_inv\_no = sil\_inv\_no**

**GROUP BY state\_name,TO\_CHAR(sih\_inv\_date,'MON-YY')**

**order by state\_name,TO\_CHAR(sih\_inv\_date,'MON-YY') desc**

1. Write a query to have the following Output

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Month | No. of Invoices | Gross Sales | Disc. Amt | Net Amount |
| Jan-24 | 5 | XXXX | XXXX | XXXX |
| Feb-24 | 5 | XXXX | XXXX | XXXX |
| Mar-24 |  | XXXX | XXXX | XXXX |

**SELECT TO\_CHAR(sih\_inv\_date,'MON-YY') "Month",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,sales\_inv\_ln**

**WHERE sih\_inv\_no = sil\_inv\_no**

**GROUP BY TO\_CHAR(sih\_inv\_date,'MON-YY')**

**order by TO\_CHAR(sih\_inv\_date,'MON-YY') desc**

11.Write a query to have the following Output

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Month | Item Id | Item Desc | Inv. Qty | Gross Sales | Disc. Amt | Net Amount |
| Jan-24 | FG1001 | Finished Goods 1 | XX | XXXX | XXXX | XXXX |
| Jan-24 | FG1002 | Finished Goods- 2 | XX | XXXX | XXXX | XXXX |
| Jan-24 | FG1003 | Finished Goods - 3 | XX | XXXX | XXXX | XXXX |
| Jan-24 | FG1004 | Finished Goods -4 | XX | XXXX | XXXX | XXXX |
| Jan-24 | FG1005 | Finished Goods -5 | XX | XXXX | XXXX | XXXX |
| Feb-24 | FG1001 | Finished Goods 1 | XX | XXXX | XXXX | XXXX |

**SELECT TO\_CHAR(sih\_inv\_date,'MON-YY') "Month",**

**sil\_item\_id "Item Id",**

**(SELECT item\_description**

**FROM item\_master**

**WHERE item\_id = sil\_item\_id) "Item Desc",**

**SUM(sil\_inv\_qty) "Inv. Qty",**

**ROUND (SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND (SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND (SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,sales\_inv\_ln**

**WHERE sih\_inv\_no = sil\_inv\_no**

**GROUP BY sil\_item\_id,TO\_CHAR(sih\_inv\_date,'MON-YY')**

**order by TO\_CHAR(sih\_inv\_date,'MON-YY') desc**

12.Write a query to have the following Output

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Cust Id | Cust Name | Item | Item Desc | Inv. Qty | Gross Sales | Disc. Amt | Net Amount |
| C1001 | Zeal Electronics | FG1001 | Finished Goods - 1 | XXXX | XXXX | XXXX | XXXX |
| C1001 | Zeal Electronics | FG1001 | Finished Goods – 1 | XXXX | XXXX | XXXX | XXXX |
| C1001 | Zeal Electronics | FG1002 | Finished Goods –2 | XXXX | XXXX | XXXX | XXXX |

**SELECT sih\_cust\_id "CUST Id",**

**(SELECT cust\_name**

**FROM cust\_master**

**WHERE cust\_id = sih\_cust\_id)"Cust Name",**

**sil\_item\_id "Item Id",**

**(SELECT item\_description**

**FROM item\_master**

**WHERE item\_id = sil\_item\_id) "Item Desc",**

**SUM(sil\_inv\_qty) "Inv. Qty",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,sales\_inv\_ln**

**WHERE sih\_inv\_no = sil\_inv\_no**

**GROUP BY sih\_cust\_id,sil\_item\_id**

**ORDER BY sih\_cust\_id,sil\_item\_id**

13. Write a query to have the following Output

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cust Id | Cust Name | Item | Item Desc | Month | INv.Qty | Gross Sales | Disc. Amt | Net Amount |
| C1001 | Zeal Electronics | FG1001 | Finished Goods - 1 | Jan-24 | XXX | XXXX | XXXX | XXXX |
| C1001 | Zeal Electronics | FG1001 | Finished Goods - 1 | Feb-24 | XXX | XXXX | XXXX | XXXX |
| C1001 | Zeal Electronics | FG1002 | Finished Goods - 2 | Jan-24 | XXX | XXXX | XXXX | XXXX |

**SELECT sih\_cust\_id "CUST Id",**

**(SELECT cust\_name**

**FROM cust\_master**

**WHERE cust\_id = sih\_cust\_id)"Cust Name",**

**sil\_item\_id "Item Id",**

**(SELECT item\_description**

**FROM item\_master**

**WHERE item\_id = sil\_item\_id) "Item Desc",**

**TO\_CHAR(sih\_inv\_date,'MON-YY') "Month",**

**SUM(sil\_inv\_qty) "Inv. Qty",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,sales\_inv\_ln**

**WHERE sih\_inv\_no = sil\_inv\_no**

**GROUP BY sih\_cust\_id,sil\_item\_id,TO\_CHAR(sih\_inv\_date,'MON-YY')**

**ORDER BY sih\_cust\_id,sil\_item\_id,TO\_CHAR(sih\_inv\_date,'MON-YY') DESC**

14. Write a query to have the following Output

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| City Name | Item | Item Desc | Inv. Qty | Gross Sales | Disc. Amt | Net Amount |
| CHENNAI | FG1001 | Finished Goods - 1 | XXX | XXXX | XXXX | XXXX |
| CHENNAI | FG1001 | Finished Goods – 1 | XXX | XXXX | XXXX | XXXX |
| PONDICHERRY | FG1002 | Finished Goods - 2 | XXX | XXXX | XXXX | XXXX |

**SELECT city\_name "City Name",**

**sil\_item\_id "Item Id",**

**(SELECT item\_description**

**FROM item\_master**

**WHERE item\_id = sil\_item\_id) "Item Desc",**

**SUM(sil\_inv\_qty) "Inv. Qty",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,sales\_inv\_ln,cust\_master**

**WHERE sih\_cust\_id = cust\_id**

**AND sih\_inv\_no = sil\_inv\_no**

**GROUP BY city\_name,sil\_item\_id**

**order by city\_name,sil\_item\_id**

15. Write a query to have the following Output

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| City Name | Item | Item Desc | Month | Inv. Qty | Gross Sales | Disc. Amt | Net Amount |
| CHENNAI | FG1001 | Finished Goods - 1 | Jan-24 | XXX | XXXX | XXXX | XXXX |
| CHENNAI | FG1001 | Finished Goods – 1 | Feb-24 | XXX | XXXX | XXXX | XXXX |
| CHENNAI | FG1002 | Finished Goods - 2 | Jan-24 | XXX | XXXX | XXXX | XXXX |

**SELECT city\_name "City Name",**

**sil\_item\_id "Item Id",**

**(SELECT item\_description**

**FROM item\_master**

**WHERE item\_id = sil\_item\_id) "Item Desc",**

**TO\_CHAR(sih\_inv\_date,'MON-YY') "Month",**

**SUM(sil\_inv\_qty) "Inv. Qty",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price))) "Gross Sales",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Disc. Amt",**

**ROUND(SUM((sil\_inv\_qty \* sil\_unit\_price) - (sil\_inv\_qty \* sil\_unit\_price )\* sil\_disc\_pct / 100)) "Net Amount"**

**FROM sales\_inv\_hdr,sales\_inv\_ln,cust\_master**

**WHERE sih\_cust\_id = cust\_id**

**AND sih\_inv\_no = sil\_inv\_no**

**GROUP BY city\_name,sil\_item\_id,TO\_CHAR(sih\_inv\_date,'MON-YY')**

**order by city\_name,sil\_item\_id,TO\_CHAR(sih\_inv\_date,'MON-YY') DESC**