**Question 1**

**1)**      **client\_master**

**Description: Used to store client information**

|  |  |
| --- | --- |
| **Field** | **Constraints** |
| Client\_no | Primary key/first letter must start with C |
| name | Not null |
| Address 1 |  |
| Address 2 |  |
| city |  |
| pin code |  |
| state |  |
| Bal\_due |  |

**2)**      **product\_master**

**Description: Used to store product information**

|  |  |
| --- | --- |
| **Field** | **Constraints** |
| Product\_no | Primary key/first letter must start with P |
| description | Not null |
| Profit\_percent | Not null |
| Unit\_measure | Not null |
| Qty\_on\_hand | Not null |
| Reorder\_lvl | Not null |
| Sell\_price | Not null, can not be 0 |
| Cost\_price | Not null, can not be 0 |

**3)**      **sales\_master**

**Description: Used to store salesmen working for the company**

|  |  |
| --- | --- |
| **Field** | **Constraints** |
| Salesman\_no | Primary key/first letter must start with S |
| Salesman\_name | Not null |
| Address1 | Not null |
| Address2 |  |
| city |  |
| Pin code |  |
| State |  |
| Sal\_amt | Not null, can not be 0 |
| Tgt\_to\_get | Not null, cannot be 0 |
| remarks | Not null |

**4) Sales\_order\_**

**Description: Used to store client’s orders**

|  |  |
| --- | --- |
| **Field** | **Constraints** |
| Order\_no | Primary Key / first letter must start with O |
| Order\_date |  |
| Client\_no | Foreign Key references client\_no of client\_master table |
| Dely\_addr |  |
| Salesman\_no | Foreign Key references salesman\_no of salesman\_master table |
| Dely\_type | Delivery : Part (P) / full (F) |
| Billed\_yn |  |
| Dely\_date | Cannot be less than order\_ date |
| Order\_status | Values( In Process, fulfilled, Backorder, Cancelled ) |

**5) sales\_order\_details**

**Description: Used to store client’s orders with details of each product ordered.**

|  |  |
| --- | --- |
| **Field** | **Constraints** |
| Order\_no | Primary key / Foreign key references order\_no of the sales\_order table |
| Product\_no | Priamry Key / Foreign Key references product\_no of the product\_master table |
| Qty\_ordered |  |
| Qty\_disp |  |
| Product\_rate |  |

1. Find the names of all clients having ‘a’ as the third letter in their names
2. Find out the clients who stay in Bombay or Delhi
3. Find the names of all clients having two ‘e’ in their names.
4. Print the information from sales\_order table for orders placed in the month of January.
5. Display the order information for client\_no ‘C001’ and ‘C002’
6. Find the products whose selling price is greater than 2000 and less than or equal to 5000
7. Find the products whose selling price is more than 1500.  Calculate a new selling price as original selling price\* 0.15.  Rename the new column in the above query as new\_price.
8. Count the total number of orders
9. Calculate the average price of all the products
10. Determine the maximum and minimum product prices.  Rename the output as max\_price and min\_price respectively.
11. Count the number of products having price greater than or equal to 1500.
12. Find all the products whose qty\_on\_hand is less than reorder level.
13. Display the order number and day on which clients placed their order.
14. Print the description and total quantity sold for each product (Apply Group by clause)
15. Find the value of each product sold.(Apply Group by clause)
16. Calculate the average quantity sold for each client that has a maximum order value of 18000.00 (Apply Group by clause)
17. Find out the sum total of all the billed orders for the month of January (Apply Group by clause)
18. Find the customer name,address1,address2,city and pin code for the client who has placed order no �O1901� (Use Sub queries)
19. Find the client names who have placed orders before the month of �May 06�. (Use Sub queries)
20. Find the names of clients who have placed orders worth Rs 10000 or more (Use Sub queries)

**Question 2**

.A description...

Find out how many employees are there in each branch.

2.

A description...

Find out the customers having more than one account in the bank