Sql Lab

1. Create Tables – Employee & Department – EmpNo, First Name, LastName, FullName(Computed), EmpAge,Address, (mangerid,salary,dept no) – Department -> DeptNo, DeptName, EmpNos, Manager Name, ManagerID

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Emp no | FirstName | LastName | Mgr id | Doj | Dept no |
| E001 | Alan | L | E002 | - |  |
| E002 | Rick | K | E003 |  |  |
| E003 | Bob | M | E004 |  |  |
| E004 | Asher | A | E003 |  |  |

1. Create references between dept & emp using dept no
2. Use Identity to auto generate the ids /dep id ->newid() uniqueidentifier
3. Use check constraint for checking age to be great than 18
4. Use default constraint to use in address – make it Bangalore
5. Use Insert into Values -> to populate Employee & Department.
6. Drop the tables / retrieve the tables
7. Create unique constraint to Manager ID
8. Make default values for Emp Phone number (+91-100000)
9. Check for the gender (m/f) – rule
10. Use Select into to create a temp emp table for Full Name and Address
11. Replicate the Department table to create another DeptNew table and use Insert/Select for populating the DeptNo, DepName, ManagerName
12. Update the employee Name & EmpNos
13. Update for the top 5 rows – increment the quantity by double – prod table – adv db
14. Update records where the age is less than 18 – change it by 10
15. Create rules & defaults and bind to phone number in 2 tables and also for address – give default values
16. Delete all the employees who are above 58 years of age.
17. Truncate the DeptNew and insert new values again.
18. Show the Product Order Quantity by purchase order id and compute the unit price
19. Show the Product names without any duplicates and retrieve the first 25 rows
20. Count the total number of customer and also show the total number of Sales person using alias.-adv db
21. List out the full names of all customer contacts displaying in descending.
22. List all the employees who has been on leave for more than 8 days
23. List all the employees who has more than 4 years of experience with the current company (doj in emp table)
24. Return orders placed on the last day of the every month – sales order header – adv db
25. Return employees with last name containing the letter 'a' twice or more
26. Return the three customers with the highest order value last year
27. Return orders with total value(qty\*unitprice) greater than 10000 sorted by total value
28. Return all the cost data for orders calculated based on sub total & grand total
29. Return all the orders placed on jan 2018