QUESTION 1

Jivin being a new entrepreneur has initiated a start-up company "YUVA", by hiring the below people, for the post and salary given below, who joined on same day 01 Apr 2019

- Niveditha aged 28, Secretary, 20000 p.m.
- Sudeesh Patnaik aged 32, Programmer, 43000 p.m.
- Ramesh Nair 45, Senior Programmer, 65 K p.m.
- Rupavahini Babu, 33, Programmer, 43 K p.m.
- Ravinder singh, 38 – QA, 40K
- Lalith, 30 – DBA, 30 K p.m.

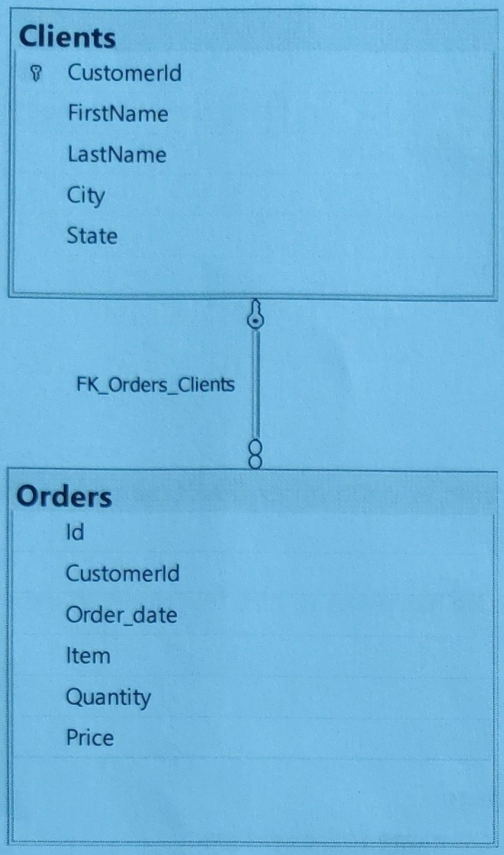
Jivin also had hired 5 other programmers and 2 senior programmer and 1 other QA Person on 01 May 2019.

Jivin asked his DBA to give the below report until date, since he has plans to hire few more to extend his organisation plus few other updates

1. Categorize employees on age group
2. Categorize based on gender and salary
3. Employees list with first and last name who are above 40
4. Nivedhitha got married to Saravanan and wants her last name to be updated.
5. Programmers designation to be changed to "Jr. Programmers" and Senior Programmers to "Sr. Programmers" (in a single query)
6. For Budget analysis for next 3 months - Current salary and what if people receiving below receives 10% hike, and above 40 gets 12% hike
7. Now due to an emergency situation, instead of layoff, what if there is salary cut by 5% for all employees who earn above 40K.
8. Jivin foresee a need to have a skillset record, and wanted Lalith to work towards it
9. Jivin introduced a hierarchical system – where Each senior programmer has two juniors and one QA person working along with him in Project A, Simiarly for Project B and Project C
10. Project A does well off and Jivin wanted to reward the team with 5% of Profit from the Project which is 25K.
11. Project A got total sales of 1 C, Project B 10 L, Project C 30 L
12. Jivin wanted to set a target of 10% increase in revenue by next 3 months for each project.

Question 2

1. From the Orders table
    a. select for customerid 10449, items purchased.
    b. Results to include customer name and Id as result set 1 and customerid, item, and price as result set 2 for this customer.
2. Select all columns from the Orders table for whoever purchased a Unicycle.
3. Select the customerid, order_date, and item values from the Orders table for any items in the item column that start with the letter "L".
4. Select the unique items in the Orders table.



5. Select the item with the maximum price in the Orders table.
6. Select the average price of all of the items ordered that were purchased in the December month?
7. Display the total number of rows in the Orders table
8. For all of the tents that were ordered in the Orders table, what is the price of the lowest lantern. The result to show only the price column.
9. From the Orders table, select the item, maximum price, and minimum price for each specific item in the table
10. How many people are in each unique state in the client table? Select the state and display the number of people in each. Resulting columns are – State, no.of People
11. How many orders did each client make? Resulting columns – Client Name, no. of orders
12. From the Orders table, select the item, maximum price, and minimum price for each specific item in the table. Only display the results if the maximum price for one of the items is greater than 190.00.
13. How many people are in each unique state in the client table that have more than one person in the state? Select the state and display the number of how many people are in each if it's greater than 1
14. Select the full name (Firstname, lastname) and city for all client in the client table. Display the results in Ascending Order based on the Full Name (Firstname, lastname).
15. Select the item and price for all of the items in the Orders table that the price is greater than 10.00. Display the results in Ascending order based on the price.
16. Select the customerid, order_date, and item from the Orders table for all items unless they are Lantern' or if they are 'Umbrella'.
17. Select the item and price of all items that start with the letter's 'C', 'H', or 'R'
18. Select from the Orders table all of the rows that have a price value ranging from 10.00 to 80.00

19. Select from the client table for all of the rows where the state value is either: Washington or Oregon
20. Select the distinct item and per unit price for each item in the Orders table. Resulting columns – item, per unit price
21. Select distinct order item with price rounded off to 2 decimals
22. Write a query using a join to determine which items were ordered by each of the client in the client table. Select the customerid, firstname, lastname, order_date, item, and price for everything each customer purchased in the Orders table.
23. Repeat exercise #1, however display the results sorted by state in descending order.
24. Select distinct customer first name from customer table as comma separated list
25. List the client with row number sorted in FirstName
26. Now, given the table below, how can we return results that will show each employee's name, and his/her manager's name. Hint – user self-join

EmployeeID	Name	ManagerID
1	Sam	10
2	Harry	4
4	Manager	NULL
10	Another Manager	NULL

27. What is the difference in records when using the 3 different joins – Left outer join, right outer join, inner join?

EmployeeID	Name
13	Jason
8	Alex
3	Ram
17	Babu

EmployeeID	Location
13	San Jose
8	Los Angeles
3	Pune, India
17	Chennai, India
39	Bangalore, India

28. Write a SQL statement to insert rows into a table called high Achiever (Name, Age), where a salesperson must