SQL TASK

LEVEL-1 : ABSOLUTE BEGINNER

empid	empname	designation	Salary	Age
101	Sam	Data Analyst	45000	22
102	John	Data Scientist	78000	32
103	Avan	Business analyst	40000	27
104	James	Software developer	42000	24
105	Nick	Marketing Manager	38000	21

1)Select all the columns from the given table- employee

2)Select only empid and empname from the given table

3)Select the empid and empname from the table whose salary is more than 10000

4)Find the empname whose age is between 20 and 30 and salary is less than 40000

5)Display the empid, empname and sort salary in ascending order

6)Sort the names of employees from eldest to youngest.

7) Add a new row of data with the following values to the same employee table-
empid-105, empname-Nick, designation-Architect, salary-38000, age-21

8) Fetch only unique records from the table.

9)a) Create a table student with the following columns- student_id, StudentName, SubjectMarks, FavoriteSports, NativeLanguage. Use the required data types. Give primary key and auto increment constraints for the student_id.

b)Insert the values into the student table.

(1,Santhosh,71,'Cricket','Tamil'),(2,Karthick,75,'tennis','Hindi'),(3,Nehlu,65,'Soccer','Urdu'),(4,Cavy,79,'Hockey','French'),(5,Hassan,91,'Badminton','Telugu'),(6,Suriya,82,'Cricket','Tamil''),(7,Amit,63,'tennis','Kannada'),(8,Paru,50,'Boxing','Telugu'),(9,Dhaya,75,'Boxing','Hindi'),(10,Shagu,77,'Basketball','Telugu'),(11,Archana,46,'Hockey','Urdu')

10) Add a new column - Address to the same table. Fill the address column with the following values for all the students
(‘Chennai’,’Hyderabad’,’Delhi’,’Lucknow’,’Pondicherry’,’Gujarat’,’Mumbai’,’Delhi’,’Chennai’,’Chandigarh’,’Mumbai’)

11) Change the SubjectMarks of the students to 99 whose student_id’s are less than 3.

12) Delete the entire column NativeLanguage.

13) Delete a record from the same student table whose student_id is 6

14) Clear all the records from the student table. Retain the table structure.

15) Delete the table structure of student

LEVEL-2 : INTERMEDIATE

Questions based on the data set:

Dataset Link:

https://drive.google.com/drive/folders/1P4YfdrRL5t-ScQBpFrHOvrZZs8Hoc0oT?usp=sharing

1. Display the customer table
2. Get the description of the customer table?
3. What is the maximum quantity sold?
4. What is the minimum quantity sold?
5. Get the unique values of the city?
6. Get the unique values of the customer type?
7. Get the count of the unique values of a gender?
8. Get the unique values count of the product line?
9. get the maximum price of the customer table?
10. get the minimum price of the customer table?
11. get the unique values of the branch?
12. Get the count of unique values for the branch column?
13. Get the Price of the product by creating the view as v3?
14. Get the 5% tax of the price by creating another view as v4?
15. Get the unique values of payment?
16. Get the total count of each unique value of payment?
17. -- Convert the date column data type into date format?
18. Get the oldest order date from the customer table?
19. Get the latest order date from the customer table?
20. Get the count of customer_type whose name starts with N?
21. Get the count of customer_type whose second letter is ‘e’?
22. Get the count of the unique value of product_line whose count is greater than 2?
23. Get the count of unique values of payment who count is greater than 3
24. Get the maximum rating from the customer table?
25. Get the minimum ratings from the table

26. **Get the ratings ranges from 7 to 10 and order by based on the branches?**
27. **Get the ratings ranges from 1 to 5 and order by based on the branches?**
28. **Get the average of ratings for each and every product_line and round off the value to 2 decimals?**
29. **Get the average of ratings for each and every product_line and round off the value to 1 decimals and arrange them in the descending order?**
30. **Get the average of ratings for each and every product_line and round off the value to 2 decimals and arrange them in the ascending order?**