**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**](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?**

**Task Submission form link**

**Link:** [**https://forms.gle/Wy4GtmvJb5ZhajHP8**](https://forms.gle/Wy4GtmvJb5ZhajHP8)