

### **Data Science and AI-ML Upskilling Program**

***for Harman International***

**Post Class Assignments SQL**

Confidential StackRoute© An NIIT Venture Page 1 of 3

All Information within this document is Intellectual property of StackRoute (NIIT Ltd). No part of this document or the program design or program structure mentioned within can be shared or used within any organization without the permission of StackRoute (NIIT Ltd).

1



**Exercise 1:**

1. Create a database.
2. Create a table customer with id, name age, salary, address.
3. Insert 5 records in the table.

INSERT INTO CUSTOMERS3 (ID,NAME,AGE,ADDRESS,SALARY) VALUES (1, 'Ramesh', 32, 'Ahmedabad', 2000.00);

INSERT INTO CUSTOMERS3 (ID,NAME,AGE,ADDRESS,SALARY) VALUES (2, 'Khilan', 25, 'Delhi', 1500.00 );

INSERT INTO CUSTOMERS3 (ID,NAME,AGE,ADDRESS,SALARY) VALUES (3, 'Kaushik', 23, 'Kota', 2000.00 );

INSERT INTO CUSTOMERS3 (ID,NAME,AGE,ADDRESS,SALARY) VALUES (4, 'Chaitali', 25, 'Mumbai', 6500.00 );

INSERT INTO CUSTOMERS3 (ID,NAME,AGE,ADDRESS,SALARY) VALUES (5, 'Hardik', 27, 'Bhopal', 8500.00 );

1. Update the address to "Vijayanagar, Bangalore" and salary to "1650000.00" where id of the customer is 5.
2. Delete a record where id =1.
3. Drop the table.
4. Drop the database.

**Exercise 2:**

1. For the Employee table execute the following queries.
   1. Query to format order\_date as ‘DD-MM-YY’.
   2. Get the one month ie 30 days completion of an employee
   3. Company give a feedback to fill to each employee after completion of 90 days. Find the dates for each employee
   4. Query to get the customer id and customer name of the employees have filled the feed back form before ‘1999-05-24’.
   5. Find the highest salary
   6. Count the number of employees from US and UK from the table locations.
   7. Use the string functions for the employees table.
      1. ASCII(str)
      2. BIN(str)
      3. CHAR\_LENGTH(str)
      4. CONCAT(str1, str2, …., strn)

**Exercise 3:**

1. Create the schema as per the instructions in “Day4.txt”
2. Depict Inner join, Outer join , Right , left and grouping after join.

**Exercise 4:**

1. Find the total salary city wise.

**Exercise 5:**

1. Create a view to have the premium employees whose salalry is greater than 10000
2. Change the condition for premium view to salary greater than 20000
3. Drop the view

**Exercise 6:**

Execute the queries for employee table

1. From the following table, write a SQL query to find those employees who receive a higher salary than the employee with ID 145. Return first name, last name.
2. write a SQL query to find the employee whose salary is 15000 and ID is 121. Return all fields.