**EXCERCISES**

1. (A) Create a table called CUSTOMER with the following columns and load 10 records into it
   1. Custid
   2. Custname
   3. Age
   4. City
   5. Mobile

[hint: Load the custid from 1000 to 1009]

(B)Create a transaction\_tbl with the following column and load 10 records into it

* 1. transId
  2. custid
  3. product
  4. amount

[ load 10 records for the following custid

1000,1002,1002,1003,1003,1003,1004,1005,1010,1011

i) Find the list of registered customers who did not make any transaction

1. Find the list of unregistered customer made transaction
2. Get the sum of the amount transacted by each customer and print order by the sum of amount from High to Low
3. Print custid, custname,age,city and mobile for the customer whoever made the transaction.
4. Write a query to print an employee's name whose name starts with 'S.'
5. Write a query to print only 3 records
6. CREATE DATABASE ORG;
7. SHOW DATABASES;
8. USE ORG;
9. CREATE TABLE Worker (
10. WORKER\_ID INT NOT NULL PRIMARY KEY AUTO\_INCREMENT,
11. FIRST\_NAME CHAR(25),
12. LAST\_NAME CHAR(25),
13. SALARY INT(15),
14. JOINING\_DATE DATETIME,
15. DEPARTMENT CHAR(25)
16. );
17. INSERT INTO Worker
18. (WORKER\_ID, FIRST\_NAME, LAST\_NAME, SALARY, JOINING\_DATE, DEPARTMENT) VALUES
19. (001, 'Monika', 'Arora', 100000, '14-02-20 09.00.00', 'HR'),
20. (002, 'Niharika', 'Verma', 80000, '14-06-11 09.00.00', 'Admin'),
21. (003, 'Vishal', 'Singhal', 300000, '14-02-20 09.00.00', 'HR'),
22. (004, 'Amitabh', 'Singh', 500000, '14-02-20 09.00.00', 'Admin'),
23. (005, 'Vivek', 'Bhati', 500000, '14-06-11 09.00.00', 'Admin'),
24. (006, 'Vipul', 'Diwan', 200000, '14-06-11 09.00.00', 'Account'),
25. (007, 'Satish', 'Kumar', 75000, '14-01-20 09.00.00', 'Account'),
26. (008, 'Geetika', 'Chauhan', 90000, '14-04-11 09.00.00', 'Admin');
27. CREATE TABLE Bonus (
28. WORKER\_REF\_ID INT,
29. BONUS\_AMOUNT INT(10),
30. BONUS\_DATE DATETIME,
31. FOREIGN KEY (WORKER\_REF\_ID)
32. REFERENCES Worker(WORKER\_ID)
33. ON DELETE CASCADE
34. );
35. INSERT INTO Bonus
36. (WORKER\_REF\_ID, BONUS\_AMOUNT, BONUS\_DATE) VALUES
37. (001, 5000, '16-02-20'),
38. (002, 3000, '16-06-11'),
39. (003, 4000, '16-02-20'),
40. (001, 4500, '16-02-20'),
41. (002, 3500, '16-06-11');
42. CREATE TABLE Title (
43. WORKER\_REF\_ID INT,
44. WORKER\_TITLE CHAR(25),
45. AFFECTED\_FROM DATETIME,
46. FOREIGN KEY (WORKER\_REF\_ID)
47. REFERENCES Worker(WORKER\_ID)
48. ON DELETE CASCADE
49. );
50. INSERT INTO Title
51. (WORKER\_REF\_ID, WORKER\_TITLE, AFFECTED\_FROM) VALUES
52. (001, 'Manager', '2016-02-20 00:00:00'),
53. (002, 'Executive', '2016-06-11 00:00:00'),
54. (008, 'Executive', '2016-06-11 00:00:00'),
55. (005, 'Manager', '2016-06-11 00:00:00'),
56. (004, 'Asst. Manager', '2016-06-11 00:00:00'),
57. (007, 'Executive', '2016-06-11 00:00:00'),
58. (006, 'Lead', '2016-06-11 00:00:00'),
59. (003, 'Lead', '2016-06-11 00:00:00');

#### 4(A)  Write an SQL query to fetch “FIRST\_NAME” from Worker table using the alias name as <WORKER\_NAME>.

#### 4(B) Write an SQL query to fetch unique values of DEPARTMENT from Worker table.

#### 4©Write an SQL query to print all Worker details from the Worker table order by FIRST\_NAME Ascending.

#### 4(d) Write an SQL query to print all Worker details from the Worker table order by FIRST\_NAME Ascending and DEPARTMENT Descending.

#### 4(e) Write an SQL query to print details for Workers with the first name as “Vipul” and “Satish” from Worker table.

#### 4(f) Write an SQL query to print details of workers excluding first names, “Vipul” and “Satish” from Worker table.

#### 4(g) Write an SQL query to print details of Workers with DEPARTMENT name as “Admin”.

#### 4(h)  Write an SQL query to print details of the Workers whose FIRST\_NAME contains ‘a’.

#### 4(i) Write an SQL query to print details of the Workers whose FIRST\_NAME ends with ‘h’ and contains six alphabets.

#### 4(j) Write an SQL query to print details of the Workers whose SALARY lies between 100000 and 500000.

#### 4(k) Write an SQL query to fetch the count of employees working in the department ‘Admin’.