VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)
CHENNAI

CSE1004 – DBMS - DIGITAL ASSIGNMENT -2

FACULTY NAME: Dr. A. Balasundaram

Assignment Due Date: 07.10.2021

Consider the following sample tables:

WORKER

WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
1	Balasundaram	Ananth	100000	20-02-2014 09:00	HR
2	Kumar	Verma	80000	11-06-2014 09:00	Admin
3	Vishal	Singhal	300000	20-02-2014 09:00	HR
4	Amitabh	Singh	500000	20-02-2014 09:00	Admin
5	Vivek	Bhati	500000	11-06-2014 09:00	Admin
6	Vipul	Diwan	200000	11-06-2014 09:00	Account
7	Satish	Kumar	75000	20-01-2014 09:00	Account
8	Rishabh	Chauhan	90000	11-04-2014 09:00	Admin

BONUS

WORKER_REF_ID	BONUS_DATE	BONUS_AMOUNT
1	20-02-2016 00:00	5000
2	11-06-2016 00:00	3000
3	20-02-2016 00:00	4000
1	20-02-2016 00:00	4500
2	11-06-2016 00:00	3500

TITLE

WORKER_REF_ID	WORKER_TITLE	AFFECTED_FROM
1	Manager	20-02-2016 00:00
2	Executive	11-06-2016 00:00
8	Executive	11-06-2016 00:00
5	Manager	11-06-2016 00:00
4	Asst. Manager	11-06-2016 00:00
7	Executive	11-06-2016 00:00
6	Lead	11-06-2016 00:00
3	Lead	11-06-2016 00:00

NOTE: These are just sample values in the table.

Write SQL queries for the following questions.

1. Write an SQL query to fetch FIRST_NAME using the alias name WORKER_NAME from Worker table.

2. Write an SQL query to fetch FIRST_NAME from Worker table in upper case.

3. Write an SQL query to fetch unique values of DEPARTMENT from Worker table.

4. Write an SQL query to print the first three characters of FIRST_NAME from Worker table.

5. Write an SQL query that fetches the unique values of DEPARTMENT from Worker table and prints its length.

6. Write an SQL query to print the FIRST_NAME and LAST_NAME from Worker table into a single column COMPLETE_NAME. A space char should separate them.

7. Write an SQL query to print all Worker details from the Worker table order by FIRST_NAME Ascending and DEPARTMENT Descending.

8. Write an SQL query to print details of Workers with DEPARTMENT name as Admin.

9. Write an SQL query to print details of the Workers whose FIRST_NAME contains 'a'.

10. Write an SQL query to print details of the Workers whose SALARY lies between 100000 and 500000.

11. Write an SQL query to print details of the Workers who have joined in Feb'2014.

12. Write an SQL query to fetch the no. of workers for each department in the descending order.

13. Write an SQL query to print details of the Workers who are also Managers.

14. Write an SQL query to show only odd rows from a table.

15. Write an SQL query to show only even rows from a table.

16. Write an SQL query to clone a new table from another table.

17. Write an SQL query to show the current date and time.

18. Write an SQL query to show the top 10 records of a table.

19. Write an SQL query to fetch the list of employees with the same salary.

20. Write an SQL query to show the second highest salary from a table.

21. Write an SQL query to print the name of employees having the highest salary in each department.

22. Write an SQL query to fetch departments along with the total salaries paid for each of them.

23. Write an SQL query to fetch the names of workers who earn the highest salary.

24. Write an SQL query to fetch the first 50% records from a table.

25. Write an SQL query to show all departments along with the number of people in there.