

**Subject Name:**  
**Database Management System - Lab**



**Lab Assignment No. 1**

**Subject Teacher: Dr. Rupali Kalekar**

**Given Date: 4/10/2023**

**Submission Date: 11/ 10/2023**

**Create below tables:**

**Worker:**

WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
001	Monika	Arora	100000	2014-02-20 09:00:00	HR
002	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
003	Vishal	Singhal	300000	2014-02-20 09:00:00	HR
004	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
005	Vivek	Bhati	500000	2014-06-11 09:00:00	Admin
006	Vipul	Diwan	200000	2014-06-11 09:00:00	Account
007	Satish	Kumar	75000	2014-01-20 09:00:00	Account
008	Geetika	Chauhan	90000	2014-04-11 09:00:00	Admin

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**Bonus:**

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

**Title:**

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

### Execute below queries:

~~Q-1~~ Write an SQL query to fetch “FIRST\_NAME” from the Worker table using the alias name <WORKER\_NAME>.

~~Q-2~~ Write an SQL query to fetch “FIRST\_NAME” from the Worker table in upper case.

~~Q-3~~ Write an SQL query to fetch unique values of DEPARTMENT from the Worker table.

~~Q-4~~ Write an SQL query to print the first three characters of FIRST\_NAME from the Worker table.

~~Q-5~~ Write an SQL query to find the position of the alphabet ('a') in the first name column 'Amitabh' from the Worker table.

~~Q-6~~ Write an SQL query to print the FIRST\_NAME from the Worker table after removing white spaces from the right side.

~~Q-7~~ Write an SQL query to print the DEPARTMENT from the Worker table after removing white spaces from the left side.

~~Q-8~~ Write an SQL query that fetches the unique values of DEPARTMENT from the Worker table and prints its length.

~~Q-9~~ Write an SQL query to print the FIRST\_NAME from the Worker table after replacing 'a' with 'A'.

~~Q-10~~ Write an SQL query to print the FIRST\_NAME and LAST\_NAME from the Worker table into a single column COMPLETE\_NAME. A space char should separate them.

~~Q-11~~ Write an SQL query to print all Worker details from the Worker table order by FIRST\_NAME Ascending.

~~Q-12~~ Write an SQL query to print all Worker details from the Worker table order by FIRST\_NAME Ascending and DEPARTMENT Descending.

~~Q-13~~ Write an SQL query to print details for Workers with the first names “Vipul” and “Satish” from the Worker table.

~~Q-15~~ Write an SQL query to print details of Workers with DEPARTMENT name as “Admin”.

~~Q-16~~ Write an SQL query to print details of the Workers whose FIRST\_NAME contains 'a'.

~~Q-17~~ Write an SQL query to print details of the Workers whose FIRST\_NAME ends with 'a'.

~~Q-18~~ Write an SQL query to print details of the Workers whose FIRST\_NAME ends with 'h' and contains six alphabets.

~~Q-19.~~ Write an SQL query to print details of the Workers whose SALARY lies between 100000 and 500000.

~~Q-20.~~ Write an SQL query to print details of the Workers who joined in Feb'2014.

~~Q-21.~~ Write an SQL query to fetch the count of employees working in the department 'Admin'.

~~Q-22.~~ Write an SQL query to fetch worker names with salaries  $\geq 50000$  and  $\leq 100000$ .

Q-23. Write an SQL query to fetch the no. of workers for each department in descending order.

Q-24. Write an SQL query to print details of the Workers who are also Managers.

Q-25. Write an SQL query to fetch duplicate records having matching data in some fields of a table.

Q-26. Write an SQL query to show only odd rows from a table.

Q-27. Write an SQL query to show only even rows from a table.

Q-28. Write an SQL query to clone a new table from another table.

Q-29. Write an SQL query to fetch intersecting records of two tables.

Q-30. Write an SQL query to show records from one table that another table does not have.

~~Q-31.~~ Write an SQL query to show the current date and time.

Q-32. Write an SQL query to show the top n (say 10) records of a table.

Q-33. Write an SQL query to determine the nth (say  $n=5$ ) highest salary from a table.

Q-34. Write an SQL query to determine the 5th highest salary without using the TOP or limit method.

Q-35. Write an SQL query to fetch the list of employees with the same salary.

Q-36. Write an SQL query to show the second-highest salary from a table.

Q-37. Write an SQL query to show one row twice in the results from a table.

Q-38. Write an SQL query to fetch intersecting records of two tables.

Q-39. Write an SQL query to fetch the first 50% of records from a table.

Q-40. Write an SQL query to fetch the departments that have less than five people in them.

Q-41. Write an SQL query to show all departments along with the number of people in there.

Q-42. Write an SQL query to show the last record from a table.

Select \* from Worker where WORKER\_ID = (SELECT max(WORKER\_ID) from Worker);COPY

~~Q-43.~~ Write an SQL query to fetch the first row of a table.

~~Q-44.~~ Write an SQL query to fetch the last five records from a table.

Q-45. Write an SQL query to print the name of employees having the highest salary in each department.

Q-46. Write an SQL query to fetch three max salaries from a table.

Q-47. Write an SQL query to fetch three min salaries from a table.

Q-48. Write an SQL query to fetch nth max salaries from a table.

Q-49. Write an SQL query to fetch departments along with the total salaries paid for each of them.

~~Q-50.~~ Write an SQL query to fetch the names of workers who earn the highest salary.