



INDIAN SCHOOL DARSAIT DEPARTMENT OF ICT



Subject: Computer Science **Topic:** SQL(CREATE,INSERT INTO,SELECT) **Lab Worksheet No.:**1

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Date:_____

Name of the Student :_____

Class &Div: XI A

Roll Number :____

1. Create the following table, insert records and perform the queries:

Field Name	Datatype
Empno	integer
Ename	char
Job	char
mgr (manager)	Varchar
Hiredate	Date
sal (salary)	Decimal
Comm(commission)	Decimal

Table: Empl

empno	ename	job	mgr	hiredate	sal	comm
8369	SMITH	CLERK	8902	1990-12-18	800.00	NULL
8499	ANYA	SALESMAN	8698	1991-02-20	1600.00	300.00
8521	SETH	SALESMAN	8698	1991-02-22	1250.00	500.00
8566	MAHADEVAN	MANAGER	8839	1991-04-02	2985.00	NULL
8654	MOMIN	SALESMAN	8698	1991-09-28	1250.00	1400.00
8698	BINA	MANAGER	8839	1991-05-01	2850.00	NULL
8882	SHIVANSH	MANAGER	8839	1991-06-09	2450.00	NULL
8888	SCOTT	ANALYST	8566	1992-12-09	3000.00	NULL
8839	AMIR	PRESIDENT	NULL	1991-11-18	5000.00	NULL
8844	KULDEEP	SALESMAN	8698	1991-09-08	1500.00	0.00

- a) Display all the records from table empl.
- b) Display empno and ename of all employees from table empl.
- c) Display ename, sal and sal added with comm. (sal+comm) from table empl.
- d) Display empno, name, sal and sal*12 as Annual Salary whose commission is not NULL from table empl.
- e) List the details of those employees who have four lettered names.
- f) List the details of all employees whose annual salary between 25000 and 40000.
- g) List the different types of jobs offered to employees.
- h) List the details of employees who earn commission than their salaries.
- i) Display the name, job, salary of employee who doesn't have a manager.
- j) Display name of employee whose name contains 'A' as third alphabet.
- k) Display name of employee whose name contains 'T' as the last alphabet.
- l) Display name of employee who is having 'L' as any alphabet of the name.

2. Create the following table 'Worker', insert records and perform the queries:

Field Name	Datatype	Constraints
worker_id	integer	Primary Key
first_name	char	Unique
last_name	char	
Salary	decimal	
joining_date	Date	NOT NULL
Department	char	

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

- Write an SQL query to fetch "first_name" from Worker table in upper case.
- Write an SQL query to fetch unique values of department from worker table
- Write an SQL query to print details of workers with department name either as "admin" or "HR".
- Write an SQL query to print details of the workers whose first_name contains 'a'.
- Write an SQL query to print details of the workers whose salary lies between 100000 and 500000
- Verify the following queries and give the corresponding output.
 - SELECT worker_id, first_name FROM worker WHERE (salary<100000 && department='Admin') || (salary>100000 && department='HR');
 - SELECT first_name FROM worker WHERE department<> 'Admin';
 - SELECT first_name,salary FROM worker WHERE joining_date= '2014-02-20' ;
 - SELECT worker_id,first_name FROM worker WHERE department NOT IN('HR','Admin');
 - SELECT first_name FROM worker WHERE first_name LIKE '%a';