



INDIAN SCHOOL DARSAIT DEPARTMENT OF ICT



Subject: Computer Science

Topic: SQL(SELECT)

Lab Worksheet No.:2

Resource Person: Roilet Noronha

Date:_____

Name of the Student :_____

Class &Div: XI A

Roll Number :_____

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

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

- Display EName and Sal of employees whose salary are greater than or equal to 2200.
- Details of employs who are not getting commission.
- Display employee name and salary of those employees who don't have their salary in range of 2500 to 4000?
- Display the name, job title and salary of employees who don't have manager.
- Display the name of employee whose name contains "A" as third alphabet.
- Display the name of employee whose name contains "T" as last alphabet?

2. Consider the following table and perform the following queries:

Column name	Datatype	Size	Constraint
Id	integer	2	Primary key
Name	character	20	unique
Department	character	20	
Hiredate	Date		Not null
Category	character	3	
Gender	character	1	Default M
Salary	Decimal	7, 2	Must be greater than 19000

Id	Name	Department	Hiredate	Category	Gender	Salary
1	Tanya Sharma	Social Studies	1994-03-17	TGT	F	25000
2	Saurabh Sharma	Art	1990-02-12	PRT	M	20000
3	Nandita Arora	English	1980-05-16	PGT	F	30000
4	James Jacob	English	1989-10-16	TGT	M	25000
5	Jaspreet Kaur	Hindi	1990-08-01	NULL	F	22000
6	Disha Sehgal	Math	1980-03-17	PRT	F	21000
7	Siddrath Kapoor	Science	1994-09-02	TGT	M	27000
8	Sonali Mukherjee	Math	1980-11-17	NULL	F	24500

- a) To create the table TEACHER with the constraints as mentioned above.
- b) To insert the first two rows as shown in the above table.
- c) To display the structure of the table.
- d) To display the entire information of all teachers. To display all information about teachers of 'PGT' category.
- e) To list the names of female teachers of Hindi department.
- f) To list names, departments and date of hiring of all the teachers in ascending order of hiredate.
- g) Display the names of all teachers in descending order of salary.
- h) To display the details of all teachers with hiredate > '1990-01-01'.
- i) To display name and salary of those teachers who are not in English , Math or Science department.
- j) To display list of teachers whose category is NULL.
- k) To display name, department and hiredate of those teachers who are not 'PGT'.
- l) To display name and gender of those teachers who are in English, Hindi or Art department.
- m) To display list of teachers of English department or salary > 30000.
- n) To display details of teachers where second alphabet is 'a'.
- o) To display names of teachers where first alphabet is 'S'.
- p) To display name and salary of teachers having salary in the range of 20000 and 40000.
- q) To find the minimum and maximum salary of teachers.
- r) To display the name and salary of the teacher having maximum salary.
- s) To count number of teachers in Hindi department.
- t) To find the total salary of all teachers.
- u) To delete the row with id 7.