



INDIAN SCHOOL DARSAIT DEPARTMENT OF ICT



Subject:Computer Science

Topic:SQL

Lab Worksheet No.: 7

Resource Person(s) : Roilet Noronha

Date: _____

Name of the Student : _____ **Class:** XII A

Roll Number : _____

Create the following tables. Insert records in the table and perform the queries that follow:

1. **Student** with fields RollNo, Name, Sub1, Sub2, Sub3, Total

Rollno	Name	Sub1	Sub2	Total
1	Shesh	99	70	56
2	Gayathri	67	44	100
3	Mahesh	56	33	66
4	Anil	99	98	87
5	Kush	90	45	33

- Insert data in the fields RollNo, Name, Sub1, Sub2, Sub3.
- Update field total with the sum of Sub1, Sub2 and Sub3.
- Display highest marks in sub2.
- Display the names of student in ascending order.
- Display the Rollno, name and average mark of every student.

2. **Employee** with fields eno, ename, dept, dateofjoin, bsalary, netsalary

Eno	ENAME	Dept	Dateofjoin	Bsalary	Netsalary
E01	Keshaw	English	12-12-1987	10000	1200000
E02	Amin	Science	12-01-1999	78100	780000
E03	Rajesh	Hindi	01-03-1999	9000	450000
E04	Shyam	English	16-08-1998	7000	340000
E05	Ayesha	Hindi	16-05-1998	50000	670000

- Find the sum of netsalary in the English department.
- Display count and sum of salary of each department.
- Display the minimum bsalary of Hindi department.
- Display the details based on the descending order of ename.
- Display the details of all those employees whose name starts with A.

3. **Flight** with fields fno, fname, destination, distance, fareno

Fno	Fname	Destination	Distance	Fareno
101	Jet Airways	Mumabi	100	125
109	Oman Air	Kerala	150	253
107	Air India	Delhi	350	564
104	Spice Jet	Goa	200	444
108	Emirates	Mumbai	199	250

- Display the flight details with the destination "Mumbai".
- Add a new column "**tax**"
- Update the field "**tax**" as 15% of fare.
- Display the details of flight whose distance is between 100-200(inclusive of both)
- Display the details based on the ascending order of **fname**.

4. **Library** with fields bookid, bname, dept, price, qty

BookId	Bname	Dept	Price	Qty
B01	MWT	Computer	210	9
B02	CS	Computer	500	78
B05	Chem	Science	990	56
B07	Math	Science	450	45
B10	Phy	Science	670	90

- Increase the price of all books by 20%.
- Display the details of book where the quantity is more than 50.
- Add a new column **“fine”**
- Update the field **“fine”** as 15% of price.
- Display the details based on the ascending order of bname.

5. **Exam** with fields centerno, noofcandidates, cname, subj, city

Centerno	Noofcandidates	Cname	Subj	City
C11	89	ISM	Math	Darsait
C12	67	ISWK	Hindi	WadiKabir
C45	35	ISD	Science	Darsait
C34	17	ISS	Math	Sohar
C23	90	ISG	Science	Ghubra

- Display all the details of Exam in alphabetical order of cname.
- Display the total number of candidates for each subject.
- Increase the candidate count to 1 for the center number C23.
- Delete the records whose subject is Hindi.
- Display the details of those candidate who are writing exam in Darsait, Sohar and Ghubra