



INDIAN SCHOOL DARSAIT DEPARTMENT OF ICT



Subject:Computer Science

Topic:SQL

Lab Worksheet No.: 6

Resource Person(s) : Roilet Noronha

Date: _____

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

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