INDIAN SCHOOL DARSAIT
DEPARTMENT OF ICT

Subject: Informatics Practices- 065

Topic:

Database Management

Work Sheet: #3

Resource Person: Sara Alex

Date: _____

Name of the Student :_____ **Class: XI** ___

Roll Number : ___

Answer the following question based on SQL:

1. Create the following table using CREAT TABLE command.

Table: Student

Column Name	Data Type	Size	Constraints
Adno	Numeric	3	Primary key
Name	Varchar	20	NOT NULL
Class	Numeric	2	
Section	Char	1	
Fees	Numeric	10	

2. Insert the following information to the table student using INSERT INTO command.

Adno	Name	Class	Section	Fees
111	Anu Jain	12	A	2500
222	Mohit Sharma	11	B	4500
333	K.P.Gupta	12	B	3000
444	Ajit Kumar	10	A	2000
555	Nandini	12	C	3000
666	Rohan Sharma	11	B	2500

3. Write the queries upon student table given above.
   i. Display student table information.
   ii. To display name and class of student table information.
   iii. To display name of 10^{th} class student information.
   iv. To display student's name, who are paying below 3000 fees.
   v. Display student's name and fees, who are paying above or equal to 3000 fees.

vi. To display students' information who are not in class 10.

vii. Display information of students in class 12 B.

viii. Display 11^{th} and 12^{th} class students' information.

ix. Display students' information, who are not in 10^{th} class.

x. Display students' information, who are paying fees between 2500 and 3500.

xi. Display number of students in each class.

xii. Display sum of fees for each class.

xiii. Display sum of fees which is more than 5000 for each class.

xiv. Display class in student table.

xv. Display different class from student table.

xvi. To increase fees value by 500.

xvii. To increase the fees value by 100 for adno 222.

xviii. To add one new column totalfees with INT(5).

xix. To change totalfees datatype as INT(8);

xx. Remove totalfees column.

xxi. To remove adno 444 information.

xxii. To remove all records

xxiii. To remove the whole structure of student table.

4. Write the output based upon Student table given above.

i. SELECT * FROM student ORDER BY fees ASC;

ii. SELECT * FROM student ORDER BY fees DESC;

iii. SELECT SUM(fees) from student;

iv. SELECT AVG(fees) from student;

v. SELECT MAX(fees) FROM student;

vi. SELECT MIN(fees) FROM students;

vii. SELECT COUNT(fees) FROM student;

viii. SELECT COUNT(*) FROM student;

ix. SELECT class, count(*) FROM student GROUP BY class;

x. SELECT class, sum(fees) FROM student GROUP BY class;

xi. SELECT class, sum(fees) FROM student GROUP BY class HAVING sum(fees)>5000;