

INDIAN SCHOOL DARSAIT DEPARTMENT OF ICT



Subject: Informatics Practices (065) **Topic:** Database Management **Lab Worksheet No.:** 1

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Name of the Student:_____ Class & Div: XI C Roll Number:____

1. Create the given table PET and insert the values. Also answer the following:

Name	Owner	Species	Sex	Birth
Fluffy	Harold	Cat	F	1993-02-04
Claws	Gwen	Cat	M	1994-03-17
Buffy	Harold	Dog	F	1989-05-13
Fang	Benny	Dog	M	1990-08-27
Bowser	Diane	Dog	M	1979-08-31
Chirpy	Gwen	Bird	F	1998-09-11
Whistler	Gwen	Bird	F	1997-12-09
Slim	Benny	Snake	M	1996-04-29
Puffball	Diane	Hamster	F	1999-03-30

- i) To display name and owner from the table PET.
- ii) To display all the records from the above table.
- iii) To list species, name and sex attributes from the PET table.
- iv) To display distinct species of pets from table PET.
- v) To display all the records from the table PET who are female.
- vi) To display name, species and birth whose owner is 'Gwen'.
- vii) To display the records from the table PET whose birth is less than or equal to °01-01- 1990'

2. Consider the given table student and answer the following queries:

Name	Age	Gender	Matric	Aggregate
Abu Baker	15	M	9531185	456
Aanya	16	F	9531186	340
Gurvinder	14	F	9531187	480
Ali	16	M	9531188	260
Michelle	15	F	9531189	321
Zubin	15	M	9531184	412
Simran	15	F	9531183	378
Fatimah	14	F	9531182	400
Anup	15	M	9531181	302
Mita	16	F	9531180	150

- i) Insert the given records in the table.
- ii) To display all the tuples in the relation Student.

- iii) To display name, gender and aggregate/S in the given table student.
- iv) To display the name and aggregate for students having their aggregate marks more than 350;
- v) To display name, age and aggregate marks of students whose age is greater than or equal to 16 from table student.
- vi) To list all the students who are not Male from the student table.
- vii) To display the students' details having age 14 or 15 from table student.
- viii) To list all the students' details having age as 16 but aggregate < 300 from the above table.
- ix) To display the students' details whose ages are other than 15 from student table.
- 3. Create the given table Student and answer the following SQL queries:

Table: Student

RollNo	Stu_Name	Gender	DOB	Marks
1	Raj Kumar	M	17-Nov-2000	90
2	Deep Singh	M	22-Aug-1996	98
3	Ankit Sharma	M	02-Feb-2000	78
4	Radhika Gupta	F	03-Dec-1999	78
5	Payal Goel	F	21-April-1998	98
6	Diksha Sharma	F	17-Dec-1999	90
7	Gurpreet Kaur	F	04-Jan-2000	65
8	Akshay Dureja	M	05-May-1997	65
9	Shreya Anand	F	08-Oct-1999	98
10	Prateek Mittal	M	25-Dec-2000	78

- i) To display all the tuples from the relation Student.
- ii) To display only the Stu_Name and Gender attributes from the Student table.
- iii) To display only those records where Roll_No is less than or equal to 8.
- iv) To display all the records whose Marks are greater than 75.
- v) To display all the records whose Gender is 'M'.
- vi) To display Stu_Name, RollNo, Marks and DOB from the Student table.
- vii) To display Stu Name and Marks whose DOB is greater than '01-Jan-2000'.
- viii) To display only the unique Marks from the Student table.
- ix) To display the RollNo, Stu Name and Marks for all the students, increased by 10.
- x) To display the records of all the students who are not female gender.
- xi) To list the details of all the students who have secured more than 80 and are males.
- xii) To display the roll number, name and marks of all the students who have either 98 or 65 marks.
- xiii) To list the name, marks of all the students who are not in Male gender.