



# INDIAN SCHOOL NIZWA - WORKSHEET

## INFORMATICS PRACTICES Chapter 7 & 8 : SQL - WS3

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class: XII Sec: \_\_\_\_

1. In today's digitized world with a need to store data electronically, it is very important to store the data in the databases. SQL is used to interact with the Database Management System.

I. Classify the following commands according to their type :(DDL/DML)

- i. INSERT INTO                      ii. ALTER TABLE

II. Which clause would you use with Select to achieve the following:

- i. To select the values that match with any value in a list of specified values.  
ii. Used to display unrepeated values of a column from a table.

III. Chhavi has created a table named Orders, she has been asked to increase the value of a column named salesamount by 20. She has written the following query for the same.

Alter table Orders Add salesamount =salesamount+20;

Is it the correct query? Justify.

2. I. Name any one Single row function and any one Aggregate function. Also mention the difference in their working.

II. Explain why the following queries give different outputs on execution:

i. SELECT COUNT(ENAME) FROM EMP;

Output:

5

ii. SELECT Count(\*) FROM EMP;

Output:

8

3. Geetanjali had created a table "Customer" in the database "Test". Immediately after the successful creation of the database, she wrote the Rollback command to undo the creation of the table. Did she execute rollback successfully? Explain.

4. Write the output of the following SQL queries:

SELECT POW(INSTR('My\_Database','\_'),2);

5. Is NULL and 0(zero) same?Justify your answer.



# INDIAN SCHOOL NIZWA - WORKSHEET

6. Observe the given table carefully and answer the following questions:

PanNo	Name	Phoneno	Address
CIZPW123A	Rajesh Kumar	9599123456	WZ11 – Rajouri Garden, Delhi
ABWQ2341B	Hemant Kumar	9812345678	Modern Apartments, Pitampura, Delhi
DERA9786T	Naveen Sharma	7868654235	CA 22, Sector 21 Rohini, Delhi
PARD3457L	Sourabh Verma	8933217645	JD 61, Sector20, Gurgaon
GDTF8762P	Nishant Kumar	NULL	Modern Apartments, Pitampura, Delhi
MERT2376G	Hemant Kumar	9811110891	F40, Sector 19, Rohini, Delhi

- Name the column that might have a Primary Key constraint. Justify your answer.
- Name the column that might have a Unique constraint. Justify your answer.

7. Consider the following table:

Table: PharmaDB

RxID	Drug ID	DrugName	Price	Pharmacy Name	PharmacyLocation
R1000	5476	Amlodipine	100.00	Rx Pharmacy	Pitampura, Delhi
R1001	2345	Paracetamol	15.00	Raj Medicos	Bahadurgarh, Haryana
R1002	1236	Nebistar	60.00	MyChemist	Rajouri Garden, Delhi
R1003	6512	VitaPlus	150.00	MyChemist	Gurgaon, Haryana
R1004	5631	Levocitrezine	110.00	RxPharmacy	South Extension, Delhi

Write commands in SQL for (i) to (iv):

- To increase the price of “Amlodipine” by 50.
- To display all those medicines whose price is in the range 100 to 150.
- To display the Maximum price offered by pharmacy located in “Gurgaon”
- To display the Drug ID, DrugName and Pharmacy Name of all the records in descending order of their price.

8. On the basis of the Table Pharma ,write the output(s) produced by executing the 2 following queries:

- SELECT RxID, DrugName, Price from PharmaDB where PharmacyName IN (“Rx Pharmacy”, “Raj Medicos”);
- SELECT PharmacyName, COUNT(\*) FROM PharmaDB GROUP BY PHARMACY NAME