INDIAN SCHOOL AL WADI AL KABIR

Worksheet, 2020-21

Class: XII	**SUB:INFORMATICS PRACTICES**	**Date of Completion:**
Worksheet No:01	**TOPIC : MySQL**	**15.04.2020**

1) Create a table 'PRODUCT' with following constraints

Column name	**Data type**	**Constraints**
PCODE	Integer	Primary key
PNAME	char (10)	Not Null
COMPANY	Varchar (10)	Unique
PRICE	Integer	Not Null
STOCK	Decimal(6,2)	
MANUFACTURE	Date	Not Null
WARRANTY	Integer	

2) Write a query to insert record in the above table.

PCODE	**PNAME**	**COMPANY**	**PRICE**	**STOCK**	**MANUFACTURE**	**WARRANTY**
P001	TV	BPL	10000	200.09	12-JAN-2018	3

3) Write SQL query for the following questions from (1) to (13) and output for the questions from (14) to (19) on the basis of the given table : "SchoolBus"

Rto	**Area_C**	**Capacity**	**Students**	**Distance**	**Transporter**	**Charges**
1	Vasant Kunj	100	120	10	Shivam T.	100000
2	Hauz Khas	80	80	10	Anand T.	85000
3	Pitampura	60	55	30	Anand T.	60000
4	Rohini	100	90	35	Anand T.	100000
5	Yamuna Vihar	50	60	20	Bhalla Co.	55000
6	Krishna Nagar	70	80	30	Yadav Co.	80000
7	Vasundhara	100	110	20	Yadav Co.	100000
8	Paschim Vihar	40	40	20	Speed T.	55000
9	Saket	120	120	10	Speed T.	100000
10	Janakpuri	100	100	20	Kisan T.	95000

1. To show area covered for buses covering more than 20 km., but charges less than 80000.
2. To show the unique value of Transporter.
3. To increase the charges by 10% for those students who are using transportation of Anand T.
4. Display the details of area covered, capacity and distance of students who is paying in the range of 70000 and 100000.
5. Display the Rto, Area_C and charges of those bus whose transporter's name contains 'a' as a second character.
6. Display the details for those who are using either of Anand T., Speed T. or Kisan T.'s transportation.
7. Change the column name of Area_C to Location.

	8. Increase the charges of Shivam T. by 25%. 9. Display the total capacities of all transport buses. 10. Find the average number of students travelling from Anand T. transporter. 11. Display the maximum and minimum charge students are paying for using the transportation. 12. Display the count of students who are coming far from more than 20km. 13. Display total number of students who are using bus facility. 14. SELECT * FROM SCHOOLBUS WHERE STUDENTS > 80 AND TRANSPORTER NOT IN("Yadav co.", "Speed T.") ORDER BY DISTANCE; 15. SELECT AREA_C, CAPACITY, STUDENTS, DISTANCE FROM SCHOOLBUS WHERE AREA_C LIKE '%i%'; 16. SELECT COUNT(DISTINCT(Transporter)) FROM SCHOOLBUS; 17. SELECT SUM(STUDENTS) AS TOTAL FROM SCHOOLBUS WHERE CHARGES > 90000; 18. SELECT COUNT(*) FROM SCHOOLBUS; 19. SELECT MAX(STUDENTS) , MIN(STUDENTS) FROM SCHOOLBUS WHERE AREA_C LIKE '%a_';
4)	Name five aggregate/group functions.
5)	Name the five constraints used in MySQL.
6)	Give the fullforms for the following. i)DDL ii)DML iii)DBMS iv)RDBMS v)SQL
7)	What are the alternative names to i)Table ii)Column iii)Row