## 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

Column name		]	Data type			Co	nstraints		
PCODE		Ι	Integer			Pri	Primary key		
PNAME		(	char (10)			Not	Not Null		
COMPANY			Varchar (10)			Uni	Unique		
PRICE			Integer			Not	Not Null		
STOCK			Decimal(6,2)						
MANUFACTURE		I	Date			Not	Not Null		
WARRANTY		I	Integer						
Write a	query to insert	record in t	he al	bove table	2.	1			
PCOI	DE PNAME	COMPAN	NY	PRICE	STOCK	MA	NUFACTURE	WARRAN	
P001	I TV	BPL		10000	200.09	1	2-JAN-2018	3	
<b>Rto</b>	Area_C	<b>Capac</b>	<u>ity</u>	Studen	ts Dista	nce	Transporter Shiyam T	<b>Charges</b> 100000	
Rto	Area C	Capac	ity	Studen	ts Dista	nce	Transporter	Charges	
1	Vasant Kunj	100	)	120	1(	)	Shivam T.	100000	
2	Hauz Khas	80		80	10	)	Anand T.	85000	
3	Pitampura	60		55	30	)	Anand T.	60000	
		100	100 90						
4	Rohini	100		90	35	5	Anand T.	100000	
4 5	Rohini Yamuna Viha	100 ur 50		90 60	35	5)	Anand T. Bhalla Co.	100000 55000	
4 5 6	Rohini Yamuna Viha Krishna Naga	100 ar 50 ar 70		90 60 80	35 20 30	5 ) )	Anand T. Bhalla Co. Yadav Co.	100000 55000 80000	
4 5 6 7	Rohini Yamuna Viha Krishna Naga Vasundhara	100           ur         50           ur         70           100		90 60 80 110	35 20 30 20	5 ) ) )	Anand T. Bhalla Co. Yadav Co. Yadav Co.	100000 55000 80000 100000	
4 5 6 7 8	Rohini Yamuna Viha Krishna Naga Vasundhara Paschim Viha	100 ur 50 ur 70 100 ur 40	)	90 60 80 110 40	35 20 30 20 20 20	5 ) ) )	Anand T. Bhalla Co. Yadav Co. Yadav Co. Speed T.	100000 55000 80000 100000 55000	
4 5 6 7 8 9	Rohini Yamuna Viha Krishna Naga Vasundhara Paschim Viha Saket	100           ur         50           ur         70           100         100           ur         40           120	)  ) 	90 60 80 110 40 120	35 20 30 20 20 20 10	5 ) ) ) )	Anand T. Bhalla Co. Yadav Co. Yadav Co. Speed T. Speed T.	100000 55000 80000 100000 55000 100000	
4 5 6 7 8 9 10	Rohini Yamuna Viha Krishna Naga Vasundhara Paschim Viha Saket Janakpuri	100 ar 50 ar 70 100 ar 40 120 100	)	90 60 80 110 40 120 100	35 20 30 20 20 20 10 20	5 ) ) ) ) )	Anand T. Bhalla Co. Yadav Co. Yadav Co. Speed T. Speed T. Kisan T.	100000 55000 80000 100000 55000 100000 95000	
4 5 6 7 8 9 10 1.	Rohini Yamuna Viha Krishna Naga Vasundhara Paschim Viha Saket Janakpuri To show area c	100           ur         50           ur         70           100         100           ur         40           120         100           overed for 1         100	buse	90 60 80 110 40 120 100 s covering	35 20 30 20 20 20 10 20 20 20 20 20 20 20 20 20 20 20 20 20	5 ) ) ) ) ) ) ) ) )	Anand T. Bhalla Co. Yadav Co. Yadav Co. Speed T. Speed T. Kisan T. m., but charges	100000 55000 80000 100000 55000 100000 95000 less than 800	
4 5 6 7 8 9 10 1. 2.	RohiniYamuna VihaKrishna NagaVasundharaPaschim VihaSaketJanakpuriTo show area cTo show the un	100           ur         50           ur         70           100         100           ur         40           120         100           overed for l         ique value	buse	90 60 80 110 40 120 100 s covering ransporter	35 20 30 20 20 20 10 20 30 20 30 30 20 30 30 30 30 30 30 30 30 30 30 30 30 30	5 ) ) ) ) ) ) ) ) )	Anand T. Bhalla Co. Yadav Co. Yadav Co. Speed T. Speed T. Kisan T. m., but charges	100000 55000 80000 100000 55000 100000 95000 less than 800	
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- 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)SOL					
7)	What are the alternative names to     ii)Column     iii)Row					

3 25-03-2020/PREPARED BY:Khushbu Joshi | ICT Dept.