INDIAN SCHOOL AL WADI AL KABIR

Worksheet, 2020-21

Class: XII	SUB: INFORMATICS PRACTICES	Date of Completion:
Worksheet No:6	TOPIC : Practical Questions- MySQL	19-07-2020

1.Create the table library and insert the following records.

Table Name: **LIBRARY**

BNO	BTITLE	BPUB	ISSUEDATE	PRICE
4002	C++	VIKAS PUB	03-NOV-2002	485
4072	JAVA	TATA MCGRAW HILL	23-JUN-1997	750
3789	VB	GALGOTIA PUB	12-SEP-2004	400
4821	ASP	TATA MCGRAW HILL	17-MAY-2013	275
2901	PERL	GALGOTIA PUB	21-APR-2012	600
3285	SQL	VIKAS PUB	15-DEC-2005	180
5674	NETWORK	HASSAN PUB	04-JAN-1989	1250
7200	OS	TATA MCGRAW HILL	10-AUG-2008	370
1579	LINUX	JEEVAN PUB	23-SEP-2011	860
9278	WINDOWS	GALGOTIA PUB	18-OCT-2003	220
5729	SYBASE	GALGOTIA PUB	06-JAN-2012	
8005	MYSQL	VIKAS PUB	28-MAR-1999	210
1058	MS OFFICE	TATA MCGRAW HILL	12-NOV-2001	
1685	INTRANET	VIKAS PUB	15-MAR-2010	220

Write the following queries:

i. Display the details of Books from TATA MCGRAW HILL publication.
ii. Display the Details of the Books whose Prize is not given.
iii. Display the Book Name/s which Start with the title ‘M’.
iv. Display the details of the Books those end with the Letter ‘L’.
v. Display the Book Number, Book Name, Price of the Book in which the Book Name contains ‘IN’.
vi. Display the Details of the book which contains 4 letters and Start with the letter ‘P’.
vii. Display the Book Name, Publication Company Name, Issue date for the Book Price in the range 300 – 600.
viii. Display the details of books of the Publisher “GALGOTIA PUB’.
ix. Display the Book Name & Issue Date of the Books with the price more than 800.
x. Display the details of the books with Issue Date Before ’01-OCT-2006’.

2. Given the following table with Sample Data.

Table Name: EXAMDET

Adno	SName	Stream	ClassSection	Percentage
R001	Sushant	Science	12A	90.2
R002	Vaidyanath	Humanities	12B	80.5
R003	Miara	Science	12B	68.9
R004	Niara	Commerce	12A	96.0
R005	Shinjini	Commerce	12D	88.9

Write the following queries:

i. Display the Details of the students whose are studying in Science Stream.
ii. Display the Details of the students whose name contains "ra".
iii. Display the details of the student whose percentage is in the range 85 – 95.
iv. Display the details of students of the Student "Shinjini'.
v. Display the Adm Number, Student Name, Stream of the Students of the class "12A" and "12D".
vi. Display the details of students in the Ascending Order of Percentage.
vii. Display Student Name, Stream in the Descending order of Admission Number.
viii. Delete the details of the Student with the Admission Number "R002".
ix. Delete the details of the Students from the "Humanities" Department.
x. Delete the details of the Students of the classes "12C", "12D".

3. Create the following table structure. **Table : TOYS**

Colunm_Name	**DataType(size)**	**Constraint**
Toy_no	Int(10)	Primary Key
Toy_name	Varchar(20)	Unique
Toy_Type	Char(10)	
Price	Decimal(8,2)	More than 20
Colour	Varchar(15)	Default "Yellow"

Write the following queries:

i. Delete the details of toys for which type is not given.
ii. Increment the price of all 'Red' colour toy by Rs. 200.
iii. Increment the price of all 'Green' colour toy by 5%.
iv. Decrement the price of the toy 'Teddy' by 3%
v. Decrement the price by Rs. 50 for all the toys priced more than 500.
vi. Display the toy details in the Descending order of Price.
vii. Delete the details of the toys with the Toy Number 1725.
viii. Delete the details of the toys with the price less than 20.

4. Write SQL Commands for (a) to (e) on the basis of table:

Table : FURNITURE

NO	ITEM NAME	TYPE	DATEOFSTOCK	PRICE	DISCOUNT
1	White Lotus	Double Bed	2002-02-23	3000	25
2	Pink feathers	Baby Cot	2002-01-29	7000	20
3	Dolphin	Baby Cot	2002-02-19	9500	20
4	Decent	Office Table	2002-02-01	25000	30
5	Comfort zone	Double Bed	2002-02-12	25000	30
6	Donald	Baby cot	2002-02-24	6500	15
7	Royal Finish	Office Table	2002-02-20	18000	30
8	Royal tiger	Sofa	2002-02-22	31000	30
9	Econo sitting	Sofa	2001-12-13	9500	25
10	Eating Paradise	Dinning Table	2002-12-19	11500	25

(a) To show all the information about the Baby cots from the furniture table.
(b) To list the itemname which are priced at more than 15000 from the furniture table.
(c) To list itemname and type of those items, in which dateofstock is before 2002-02-01 from the furniture table in descending order of itemname.
(d) To display itemname and dateofstock of those items, in which the discount percentage is more than 25 from the furniture table.
(e) To count the number of items, whose TYPE is "Sofa" from the furniture table.

5) Consider the table EXAM given below. Write commands in MySql for (i) to (iv)

Table: EXAM

No.	Name	Stipend	Subject	Average	Division
1	Karan	400	English	15	FIRST
2	Aman	680	Maths	24	FIRST
3	Javed	500	Accounts	NULL	FIRST
4	Bishakh	200	IP	20	SECOND
5	Sugandha	400	History	10	THIRD
6	Suparna	550	Geo	5	THIRD
7	Ankit	400	NULL	10	THIRD

(i) To list the names of those students, who have obtained Division as FIRST in the ascending order of NAME.
(ii) To display a report listing NAME, SUBJECT and Annual stipend received assuming that the stipend column has monthly stipend.
(iii) To count the number of students, who have either Accounts or Informatics as Subject.
(iv) To insert a new row in the table EXAM:
6, "Mohan", 500, "English", 73, "SECOND";
(v) To count the number of students according to their Division wise.

6) Consider the tables StaffInfo & Officeinfo given below:

StaffInfo

EmployeeId	SalesPerson	Salary	SOID
1003	Mary Smith	2750	S10
1004	John Hunt	1825	S20
1005	Martin Hap	3475	S30
1006	Andrew	2100	S40
1007	Ivan	4730	S30

Officeinfo

SalesOfficeID	SalesOffice	OfficeNumber
S10	Chicago	312-555-1212
S20	New York	212-555-1212
S30	Houston	415-555-1212
S40	Los Angels	724-555-1212

With reference to the tables , Answer the following:

i) Display the Salesperson name and the corresponding the sales office from the matched Sales Office ID.
ii) Display the salesperson name and salary of the salesperson who are working in "New York".

iii) Display the Employee ID, Salesperson name and their office no for those employees whose salary is above $3,000.

iv) Display the Employee ID, Sales Person Name and their salary whose sales office not in "Houston" and "Chicago".

v) Increase the salary of all the employees from "Los Angeles" by 10%.

vi) Decrease the salary of the employees by 2% for those employees who are working in "Houston" office and their name start with the letter "I".

7) Consider the following tables TRANSPORTER and DRIVER and answer the questions that follow :

Table : TRANSPORTER

ORDERID	ITEM	TRANSPORT DATE	DESTINATION	DRIVERID
1120	TELEVISION	2019-03-19	MUMBAI	D103
1121	REFRIGERATOR	2019-04-12	UDAIPUR	D101
1122	TELEVISION	2019-05-06	MUMBAI	D101
1123	MICROWAVE	2019-05-07	KANPUR	D103
1124	FURNITURE	2019-06-15	KANPUR	D102

Table : DRIVER

DRIVERID	DRIVERNAME	DRIVER GRADE	PHONE
D101	Radhey Shyam	A	981234567
D102	Jagat Singh		981017897
D103	Timsy Yadav	B	
D104	Zoravar Singh	A	981107887

(i). To display OrderId, Item being transported, DriverId and names of Drivers for all the orders that are being transported by drivers with 'A' grade.

(ii) To display DriverId, Names of drivers and Travel dates for drivers who are travelling after 1st March, 2019

(iii) To display OrderId, DriverId and names of Drivers for all the orders that are transporting TELEVISION.

(iv) To display the drivername and destination of all drivers whose grade is not mentioned.

(v) Change the destination of Jagat Singh to "Mumbai".

8) Consider the tables given below

Table : Event

EventId	Event	NumPerformers	CelebrityID
101	Birthday	10	C102
102	Promotion Party	20	C103
103	Engagement	12	C102
104	Wedding	15	C104

Table : Celebrity

CelebrityID	Name	Phone	FeeCharged
C101	Faiz Khan	99101956	200000
C102	Sanjay Kumar	893466448	250000
C103	Neera Kapoor	981166568	300000
C104	Reena Bhatia	65877756	100000

With reference to the above given tables , write the commands in SQL for the following.

(i) To display EventId, Event name, Celebrity Id and Names of celebrities for only those events that have more than 10 performers.

(ii) To display Event name, Celebrity Id and Names of celebrities who have ‘‘Khan’’ anywhere in their names.

(iii) To display Event name, Names of celebrities and Fee charged for those celebrities who charge more than 200000.

(iv) To display the event ,name and feecharged of all celebrities whose fees is in the range 100000 to 200000

(v) Increase the fee of Wedding by 5 %

9) Consider the tables Trainee & Trainer given below:

Trainee

Trainee_ID	Trainee	Gender	Trainer_ID
TE001	Pawan	Male	TR005
TE002	Radhika	Female	TR004
TE009	Ankit	Male	TR004
TE007	Abhishek	Female	TR002

Trainer

Trainer_ID	Trainer	Sports
TR005	Mr Gupta	Carom
TR004	Mr Chaudhary	Football
TR003	Mr Singh	Carom
TR002	Mr Das	Cricket
TR001	Mr Sen	Football

Based upon above given tables, write commands in SQL for (i) and (v) given below:

(i) Display the Trainee Name, Gender and corresponding Trainer Name for all Trainee.

(ii) Display the Trainee Name and Trainer Name of all Trainees.

(iii) Display the trainername and sports of a Male trainee

(iv) Display gender , Trainer name , and sports of all trainees whose name contains more than 6 Letters

(v) Display the traineename and trainer name of the sport “Football”

10) In a Database, there are two tables given below :

Table : EMPLOYEE

EMPLOYEEID	NAME	SALES	JOBID
E1	SAMIT SINHA	1100000	102
E2	VIJAY SINGH	1300000	101
E3	AJAY RAJPAL	1400000	103
E4	MOHIT RAMNANI	1250000	102
E5	SHAILJA SINGH	1450000	103

Table : JOB

JOBID	JOBTITLE	SALARY
101	President	200000
102	Vice President	125000
103	Administration Assistant	80000
104	Accounting Manager	70000
105	Accountant	65000
106	Sales Manager	80000

Write SQL Queries for the following :

(i) To display employee ids, names of employees, job ids with corresponding job titles.

(ii) To display names of employees, sales and corresponding job titles who have achieved sales more than 130000.

(iii) To display names and corresponding job titles of those employee who have 'SINGH' (anywhere) in their names.

(iv) Display the Name and jobtitle of all employees whose salary is in the range 50000 to 100000

(v) Change the JOBID to 104 of the Employee with ID as E4 in the table 'EMPLOYEE'