INDIAN SCHOOL NIZWA - WORKSHEET

MULTIMEDIA AND WEB TECHNOLOGY
CH: 2 DATABASES : MYSQL COMMANDS

Name: _____ Date:_____ Class: XII Sec: ___

1. Consider the table given below and write SQL queries.

(Table: Salesperson)

SID	Name	Phone	DOB	Salary	Area
S101	Amit Kumar	98101789654	1967-01-23	67000.00	North
S102	Deepika Sharma	99104567834	1992-09-23	32000.00	South
S103	Vinay Srivastav	98101546789	1991-06-27	35000.00	North
S104	Kumar Mehta	88675345789	1967-10-16	40000.00	East
S105	Rashmi Kumar	98101567434	1972-09-20	50000.00	South

NOTE : Columns SID and DOB contain Sales Person Id and Data of Birth respectively.

1. Write the data types of SID and DOB columns.
2. Display names of Salespersons and their Salaries who have salaries in the range 30000.00 to 40000.00
3. To list names, phone numbers and DOB (Date of Birth) of Salespersons who were born before 1st November, 1992.
4. To display names and salaries of salespersons in descending order of salary.
5. To display SID, Names along with Salaries increased by 500. (Increase of Rs.500 is only to be displayed and not to be updated in the table)
6. To display all the columns of the table.
7. To update Salary with 28000 of those employees whose DOB is less than 1972
8. To delete the record of salesman Kumar Mehta from the Salesperson table.
9. To delete all the rows from the relation Salesperson
10. To insert the details of a new Salesman whose details are as follows S106,Amar Nath,9978323292,1990-09-01,85000.00 and North.
11. To update the Phone no of Vinay as 908765443
12. To insert a new field named Item after DOB field.

2. Consider the following table:

Student

Admn	Name	Stream	Optional	Average
1001	Shrishti	Science	CS	90
1002	Ashi	Humanities	Maths	80
1003	Aditya	Commerce	IP	60
1004	Ritu Raj	Science	IP	65
1005	Sonali	Commerce	Maths	60
1006	Saumya	Science	IP	65
1007	Ashutosh	Science	IP	95
1008	Prashant	Commerce	P.ED	80
1009	Aman	Commerce	IP	70
1010	Rishabh	Humanities	P.ED	85

1) To display the details of all those students who have IP as their optional subject.
2) To give an increase of 3 in the average of all those students of humanities section who have Maths as their optional subject.
3) To display a name list of all those students who have average more than 75.
4) To insert a the first record into the relation.
5) To update Stream of Aman as Science
6) To update the Stream as Humanities whose Average is between 60 and 70
7) To delete the tuple whose Optional is not IP
8) To add a new field DOB before Stream attribute.
9) To display all the records of the table.

3. Write SQL query to create a table "Registration" with the following structure:

Table: Registration

Field name	Datatype	Size	Constraint
Reg_Id	Integer	2	Primary Key
Name	Varchar	20	
Course	Varchar	10	
Join_Dt	Date		

4. Charvi is inserting "Sharma" in the "LastName" column of the "Emp" table but an error is being displayed. Write the correct SQL statement.
INSERT INTO Emp ('Sharma') VALUES (Lastname) ;

5. Write SQL query to create a table 'Bank_Customer' with the following structure:

Field	Type	Constraint
Acc_No	Integer	Primary Key
Cust_Name	Varchar(20)	Not Null
Cust_Add	Varchar(20)	
Cust_City	Varchar(20)	

(i) Write the data types of SID and DOB columns. 1 Ans Data type of SID : varchar/char
Data type of DOB : Date (½ mark each for mentioning correct data type)
(ii) Display names of Salespersons and their Salaries who have salaries in the range 30000.00 to 40000.00 1
Ans SELECT Name,Salary FROM Salesperson WHERE Salary BETWEEN 30000 AND 40000; OR

SELECT Name,Salary FROM SalesPerson WHERE Salary>=3000 AND Salary<=4000; (½ mark for SELECT)
(½ mark for WHERE)

(iii) To list names, phone numbers and DOB (Date of Birth) of Salespersons who
were born before 1st November, 1992. 1

Ans SELECT Name,Phone,DOB FROM Salesperson WHERE DOB < 19921101;

(iv) To display names and salaries of salespersons in descending order of salary.

Ans SELECT Name,Salary FROM Salesperson ORDER BY Salary DESC;

(½ mark for SELECT) (½ mark for ORDER BY)

(v) To display areas in which Salespersons are working. Duplicate areas should not be displayed.

SELECT DISTINCT Area FROM Salesperson; (½ mark for SELECT) (½ mark for keyword DISTINCT)

(vi) To display SID, Names along with Salaries increased by 500. (Increase of
Rs.500 is only to be displayed and not to be updated in the table)

SELECT SID, Name,Salary+500 FROM Salesperson;

2. To display the details of all those students who have IP as their optional subject. ii. To display name, stream and optional of all those students whose name starts with „A‟. iii. To give an increase of 3 in the average of all those students of humanities section who have Maths as their optional subject. iv. To display a name list of all those students who have average more than 75. Ans: i. select * from student where optional=‟IP‟; ii. select name, stream, optional from student where name like „A%‟; iii. update student set average=average+3 where stream=‟Humanities‟ and optional=‟Maths‟; iv. select name from student where average>75;
3. Create table Registration (Reg_Id Integer(2) Primary Key, Name varchar(20), Course varchar(10), Join_Dt date);