

Department of Information and Technology

Gauhati University Institute of Science & Technology

Gauhati University, GNB Nagar, Ghy-14

LABORATORY REPORT Database Management Systems(IT-311)

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Semester: 5th

INDEX

LIST OF EXPERIMENTS
Introduction to MYSQL
Data Definition Language(DDL)commands
Data Manipulation Language (DML)
Sub Queries and Joins
Views
Procedures

EXPERIMENT NO: 1 Introduction to MYSQL

AIM: To study about Mysql database

OBJECTIVES:

THEORY:

MySQL is one of the most popular Open Source SQL database management systems. MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. MySQL is developed, marketed, and supported by MySQL AB, a Swedish company.

MySQL is becoming popular for many good reasons:

MySQL is released under an open-source license. So you have nothing to pay to use it.

MySQL is a very powerful program in its own right. It handles a large subset of the functionality of the most expensive and powerful database packages.

MySQL uses a standard form of the well-known SQL data language.

MySQL works on many operating systems and languages including PHP, PERL, C, C++, JAVA, etc.

MySQL works very quickly and works well even with large data sets.

MySQL is very friendly to PHP, the most appreciated language for web development. MySQL supports large databases, up to 50 million rows or more in a table. MySQL is customizable.

RESULT: The MySQL database is studied

EXPERIMENT NO:2 DATA DEFINITION LANGUAGE (DDL) COMMANDS

AIM: Consider the database for an organisation3. Write the queries for the following

(i) create the database

Ans: CREATE DATABASE organization5;

(ii) select the current database

Ans: USE organization5;

- (iii)Create the following tables.
- a. employee (emp_no, emp_name, DOB, address, doj, mobile_no,dept_no, salary).
- b. department (dept_no, dept_name, location).
- (iv)Include necessary constraints.

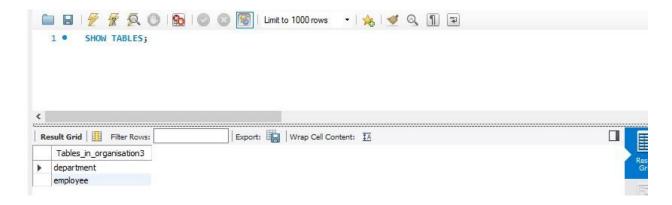
Ans:

(a) CREATE TABLE employee

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CREATE TABLE employee (
  emp_no INT PRIMARY KEY,
  emp_name VARCHAR(20) NOT NULL,
  DOB DATE,
  address VARCHAR(50),
  DOJ DATE,
  mobile_no INT UNIQUE,
  dept no INT DEFAULT 1,
  salary INT
  );
(b) CREATE TABLE department
| 💆 🖟 🔯 🔘 | 🚱 | ◎ 🚳 | Limit to 1000 rows 🔻 埃 | 🥩 ◎ 🐧 📦
CREATE TABLE department(
 dept_no INT PRIMARY KEY auto increment,
 dept_name VARCHAR(30) NOT NULL,
 location VARCHAR(30)
- );
```

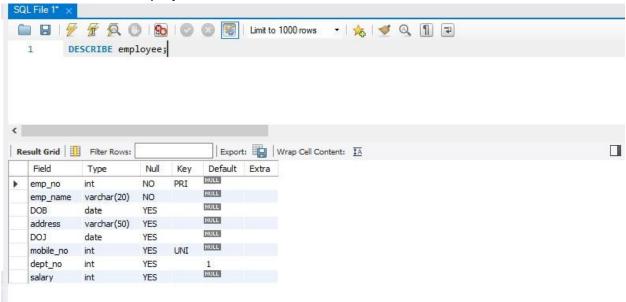
(v) List all the tables in the current database

Ans: SHOW TABLES;



(vi)Display the structure of the employee table

Ans: DESCRIBE employee;



(vii) Add a new column Designation to the employee table Ans: ALTER TABLE employee ADD Designation VARCHAR(20);

(viii) Drop the column location from Dept table Ans: ALTER TABLE department DROP location;

(ix) Drop the tables

Ans: DROP table department; DROP TABLE employee;

(x) Delete the database

Ans: DROP DATABASE organization5

OBJECTIVES: To understand DDL commands.

THEORY:

Database Queries:

Before creating any tables, MySQL requires you to create a database by executing the CREATE DATABASE command

>Create a database

CREATE DATABASE

Delete a database DROP DATABASE

Select the database USE

List all databases SHOW databases;

Rename a database ALTER DATABASE RENAME

Table Queries:

>To Create a table CREATE TABLE (< fieldtype>(), ...)

>List all tables in the current database SHOW tables;

>Show table format with column names and data types DESCRIBE

>Modify the structure of table

ALTER TABLE <tabler name> alter specifications>

ALTER TABLE DROP COLUMN< column name>

ALTER TABLE ADD COLUMN < column name > datatype>(<size>)

>Delete the table

DROP TABLE

Constraints:

- >**Primary key** A PRIMARY KEY constraint for a table enforces the table to accept unique data for a specific column and this constraint create a unique index for accessing the table faster
- >**UNIQUE** The UNIQUE constraint in Mysql does not allow to insert a duplicate value in a column.
- >NOT NULL In Mysql NOT NULL constraint allows to specify that a column can not contain any NULL value
- >FOREIGN KEY A FOREIGN KEY in mysql creates a link between two tables by one specific column of both table. The specified column in one table must be a

- >PRIMARY KEY and referred by the column of another table known as FOREIGN KEY.
- >CHECK The CHECK constraint determines whether the value is valid or not from a logical expression.
- >**DEFAULT** While inserting data into a table, if no value is supplied to a column, then the column gets the value set as DEFAULT

PROCEDURE:

- (i) CREATE DATABASE command
- (ii) USE DATABASE command
- (iii) CREATE TABLE command
- (iv) PRIMARY KEY, NOT NULL etc
- (v) SHOW TABLES command
- (vi) DESCRIBE TABLE command
- (vii) ALTER TABLE command
- (viii) ALTER TABLE command
- (ix) DROP TABLE command
- (x) DROP DATABASE command

RESULT: The DDL commands have been executed successfully. **OUTPUT:**

Problems:

- 1. Consider the database for a college and design an ER diagram. Write the query for the following.
- (i) Create the tables: Student (sid, sname, sex, dob,dno)

Department (dno, dname)

Faculty (F_id, fname, designation, salary,dno)

Faculty (F_id, fname, designation, salary,dno)

Course (cid, cname, credits,dno)

Register (sid,cid,sem)

Teaching (f_id,cid,sem)

Hostel(hid,hname,seats,)

(ii) Include the necessary constraints NOT NULL, DEFAULT, CHECK, and PRIMARY KEY, UNIQUE.

Ans.:

CREATE TABLE Student(sid INT PRIMARY KEY, sname VARCHAR(20) NOT NULL, sex VARCHAR(10), dob DATE, dno INT DEFAULT '1');

CREATE TABLE Department (dno INT PRIMARY KEY, dname VARCHAR(30) NOT NULL);

CREATE TABLE Faculty (F_id INT PRIMARY KEY, fname VARCHAR(20) NOT NULL, designation VARCHAR(20) DEFAULT 'Professor', salary INT, dno INT DEFAULT '1');

CREATE TABLE Course (cid CHAR(10) PRIMARY KEY, cname VARCHAR(30) NOT NULL, credits INT, dno INT);

CREATE TABLE Register (sid INT PRIMARY KEY, cid CHAR(10) UNIQUE, sem INT NOT NULL, CHECK (sem<=8));

CREATE TABLE Teaching(f_id INT PRIMARY KEY, cid CHAR(10) UNIQUE, sem INT NOT NULL, CHECK (sem<=8));

(iii) Create a database college.

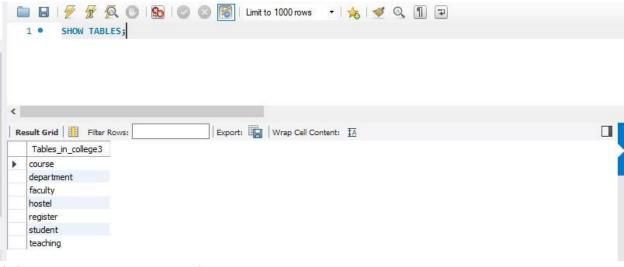
Ans.: CREATE DATABASE college;

(iv) Use college as the current database

Ans.: USE college;

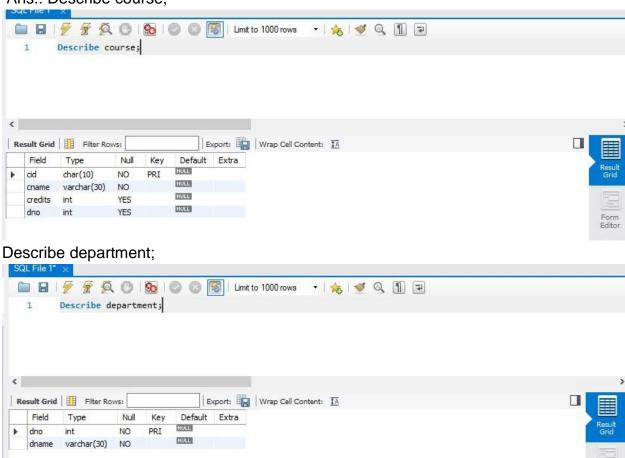
(v) Display all the tables in college database

Ans.: SHOW TABLES;

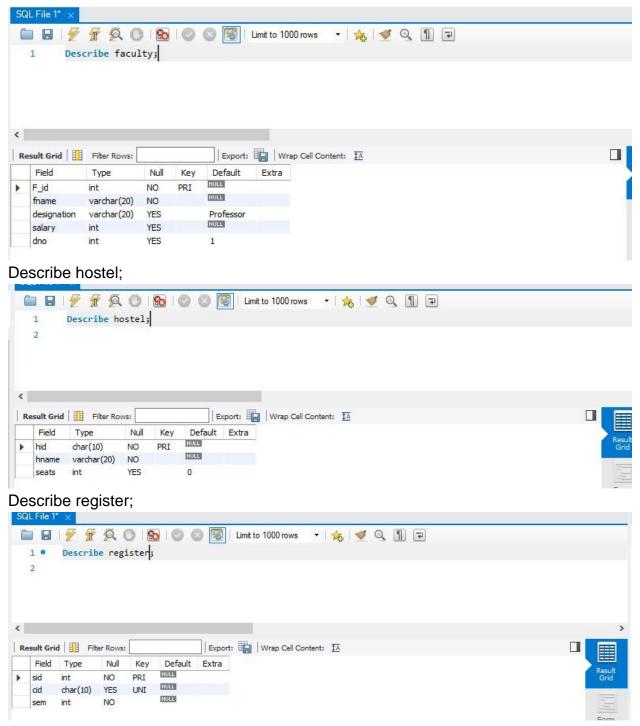


(vi) Describe the structure of all tables.

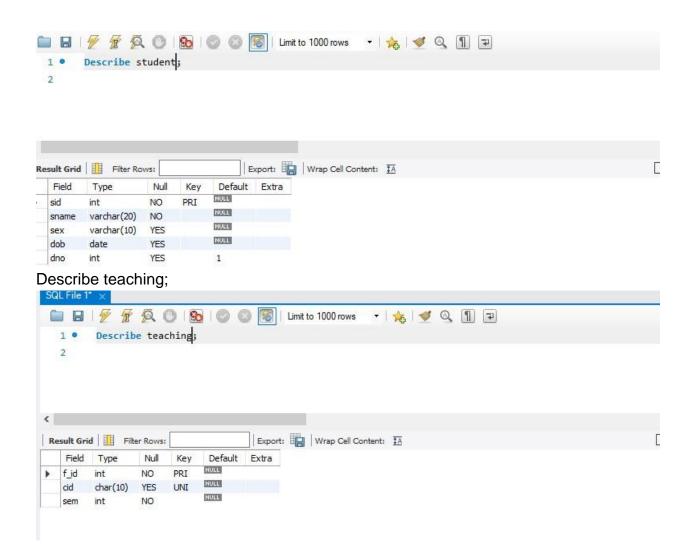
Ans.: Describe course;



Describe faculty;



Describe student;



(vii) Modify the student table to add a new field 'grade'. Ans. ALTER TABLE student ADD grade CHAR(2);

2. Consider the database for a banking enterprise.
Write the queries for the below questions. (i) Create the following tables

Table	Attributes
customer	cid,cname,loc,sex,dob
Bank_bm	bcode,bloc,bsate
Deposit	Dacno,dtype,ddate,damt
Loan	Lacno,ltype,ldate,lamt
Accounts_in	Bcode,cid
depositor	cid,dacno
borrower	cid,lacno

(ii). Include necessary constraints.

Ans:

CREATE TABLE customer (cid INT PRIMARY KEY, cname VARCHAR(20) NOT NULL, loc VARCHAR(30), sex VARCHAR(10), dob DATE);

CREATE TABLE Bank_brn (bcode VARCHAR(20) PRIMARY KEY, bloc VARCHAR(30), bstate VARCHAR(20));

CREATE TABLE Deposit (Dacno INT PRIMARY KEY, dtype VARCHAR(20), ddate DATE, damt DECIMAL(9,2) NOT NULL);

CREATE TABLE Loan (Lacno INT PRIMARY KEY, Itype VARCHAR(20), Idate DATE, lamt DECIMAL(10,2) NOT NULL);

CREATE TABLE Accounts_in (Bcode VARCHAR(20) PRIMARY KEY, cid INT NOT NULL);

CREATE TABLE depositor (cid INT PRIMARY KEY, dacno INT UNIQUE);

CREATE TABLE borrower (cid INT PRIMARY KEY, lacno INT UNIQUE);

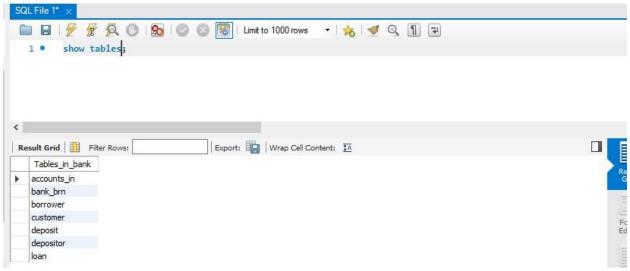
(iii). Tables are created under the database 'bank'.

Ans: CREATE DATABASE bank;

USE bank;

(iv). Display all the tables in bank database.

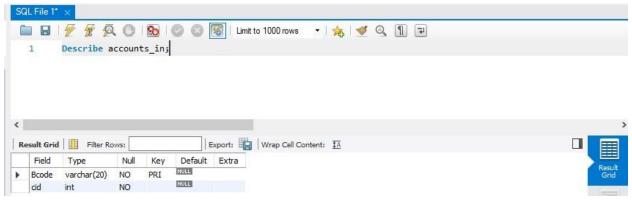
Ans:



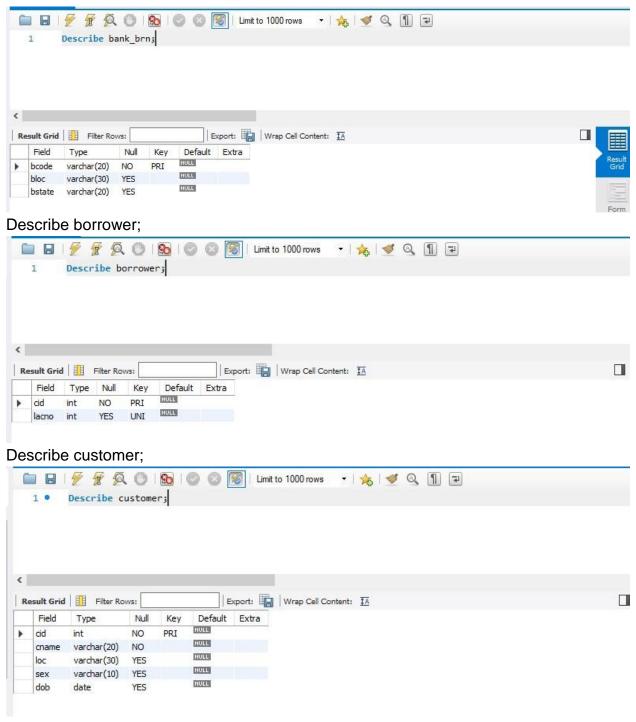
(v). Describe the structure of all tables.

Ans:

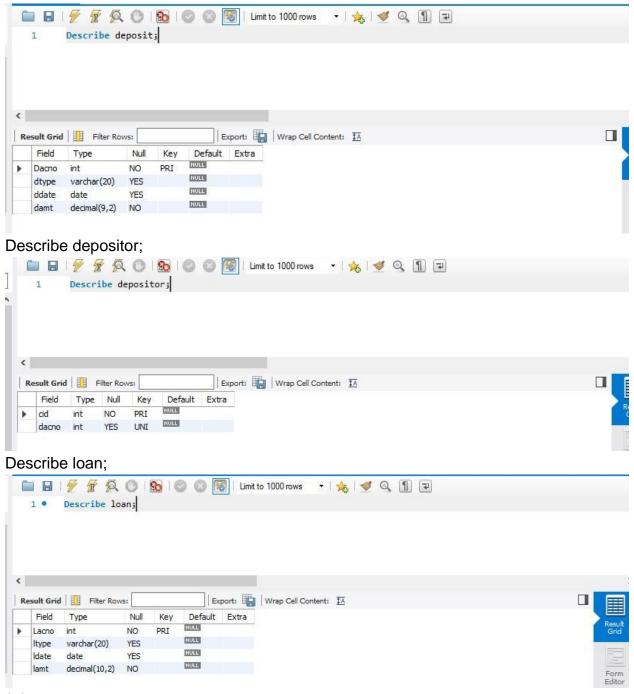
Describe accounts_in;



Describe bank_brn;



Describe deposit;



(vi). Delete tables

Ans:

DROP TABLE Bank_brn;

DROP TABLE Deposit;

DROP TABLE customer;

DROP TABLE Loan;

DROP TABLE Accounts_in;

DROP TABLE depositor;

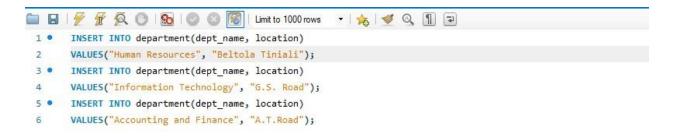
DROP TABLE borrower;

EXPERIMENT NO 3: DATA MANIPULATION LANGUAGE(DML)

(i) Add 5 rows in the employee and dept tables. Ans:

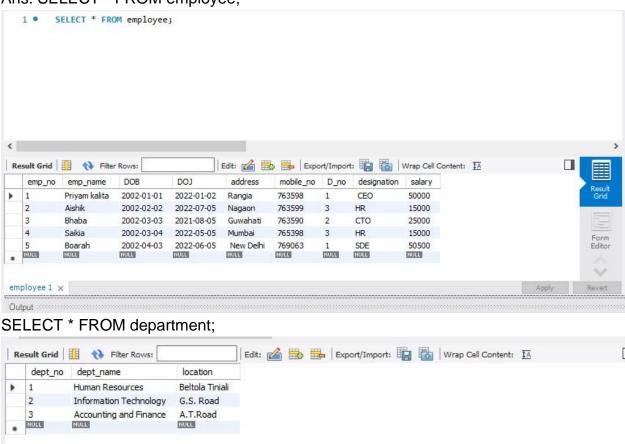
```
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Limit to 1000 rows
 1 ● ⊖ CREATE TABLE Employee(
 2
        emp no INT PRIMARY KEY,
 3
        emp_name VARCHAR(20) NOT NULL,
 4
        DOB DATE,
 5
        DOJ DATE,
 6
        address VARCHAR(30),
 7
        mobile no INT UNIQUE,
        D no INT NOT NULL,
 8
        designation VARCHAR(30),
 9
        salary INT
10
11
       -);
12
13
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         INSERT INTO employee
   2
         VALUES(1, "Priyam kalita",20020101,20220102, "Rangia", 763598, 1, " CEO", 50000);
   3 0
         INSERT INTO employee
   4
         VALUES(2, "Aishik", 20020202, 20220705, "Nagaon", 763599, 3, "HR", 15000);
         INSERT INTO employee
   5 .
         VALUES(3, "Bhaba", 20020303,20210805, "Guwahati", 763590, 2, "CTO", 25000);
   6
   7 .
         INSERT INTO employee
   8
         VALUES(4, "Saikia", 20020304, 20220505, "Mumbai", 765398, 3, "HR", 15000);
   9 .
         INSERT INTO employee
  10
         VALUES(5, "Boarah", 20020403,20220605, " New Delhi", 769063, 1, "SDE", 50500);
🔒 | 🦩 🖟 👰 🕛 | 🗞 | 💿 💿 📳 | Limit to 1000 rows 🔻 | 🎉 | 🥩 🔍 👖 🔃

    ○ CREATE TABLE department(
   dept_no INT PRIMARY KEY AUTO_INCREMENT,
   dept_name VARCHAR(30) NOT NULL,
  location VARCHAR(30)
```

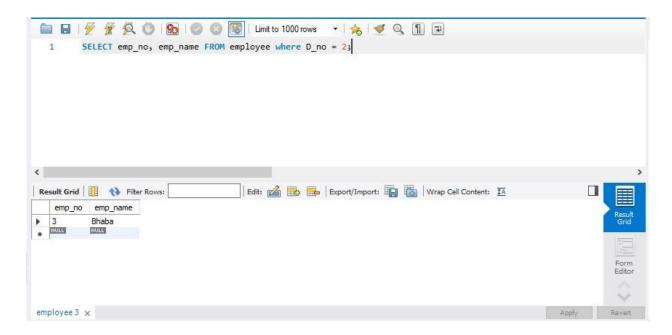


(ii) Display all the records from the above tables.

Ans: SELECT * FROM employee;

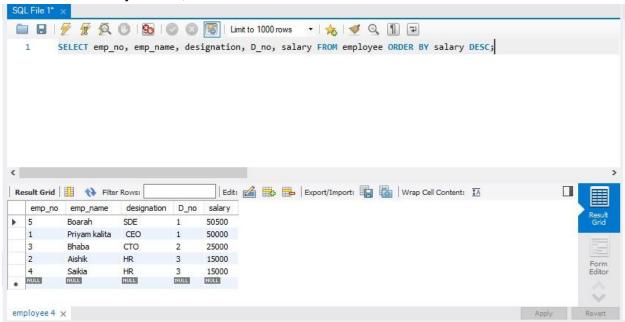


(iii) Display the empno and name of all the employees from department no 2. Ans: SELECT emp_no, emp_name FROM employee where D_no = 2;



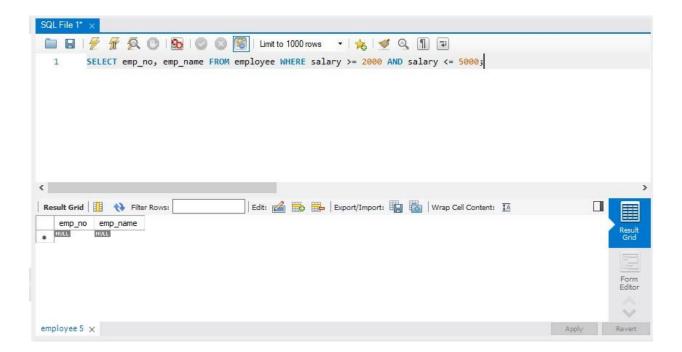
(iv) Display empno,name,designation,dept no and salary in the descending order of salary.

Ans: SELECT emp_no, emp_name, designation, D_no, salary FROM employee ORDER BY salary DESC;



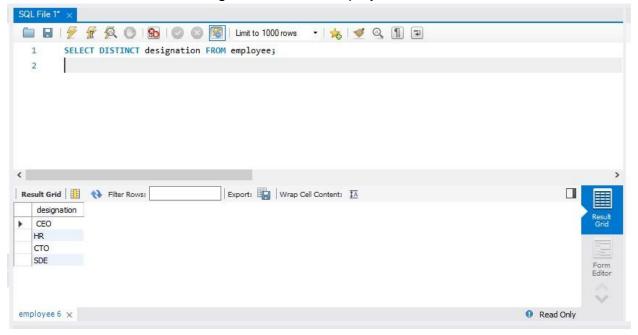
(v) Display the empno and name of all employees whose salary is between 2000 and 5000.

Ans: SELECT emp_no, emp_name FROM employee WHERE salary >= 2000 AND salary <= 5000;

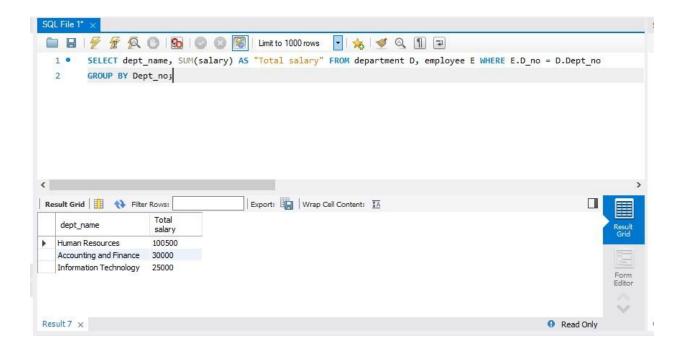


(vi) Display all designations without duplicate values.

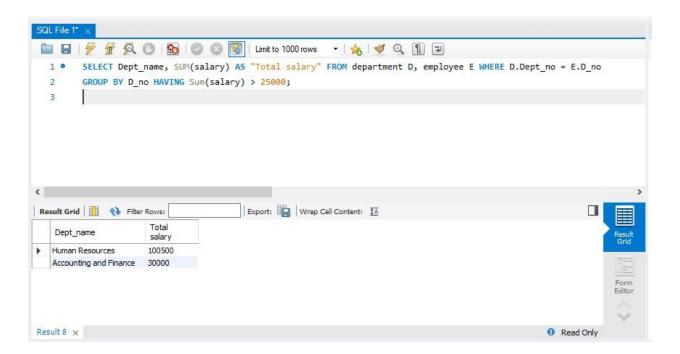
Ans: SELECT DISTINCT designation FROM employee;



(vii) Display the dept name and total salary of employees of each department. Ans: SELECT dept_name, SUM(salary) AS "Total salary" FROM department D, employee E WHERE E.D_no = D.Dept_no GROUP BY Dept_no;



(xi) Select the department that has total salary paid for its employees more than 25000. Ans: SELECT Dept_name, SUM(salary) AS "Total salary" FROM department D, employee E WHERE D.Dept_no = E.D_no GROUP BY D_no HAVING Sum(salary) > 25000;



OBJECTIVES:

- To understand how to insert, update and delete data from within a table.
- To learn how to retrieve data from a table using the SELECT statement.

THEORY:

- 1. INSERT INSERT INTO tablename VALUES (value1, value2, ..., valuen).
- 2. UPDATE

Update SET <field1> = <value1> = <value1> AND<field2>= <value2> WHERE <conditions>

3.DELETE

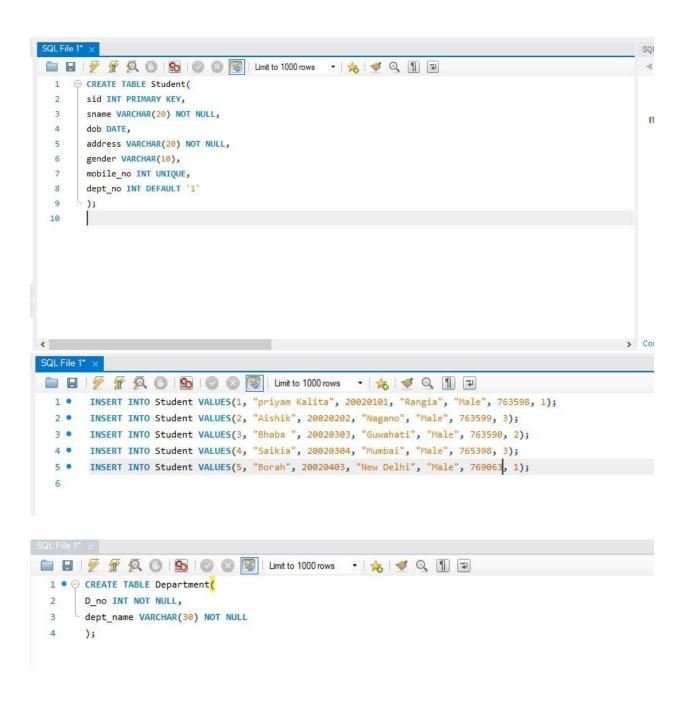
DELETE FROM WHERE <condition>

- 4.SELECT
 - (a) Retrieve from all columns
- SELECT * FROM
 - (b) Retrieve from selected columns
- SELECT <column 1> <column 2> FROM
 - (c) Retrieve unique values
- SELECT DISTINCT < column name > FROm
 - (d) REtrueve data satisfying a given con dition
- SELECT <columns> FROM <tables>WHERE <condition>

PROCEDURE:

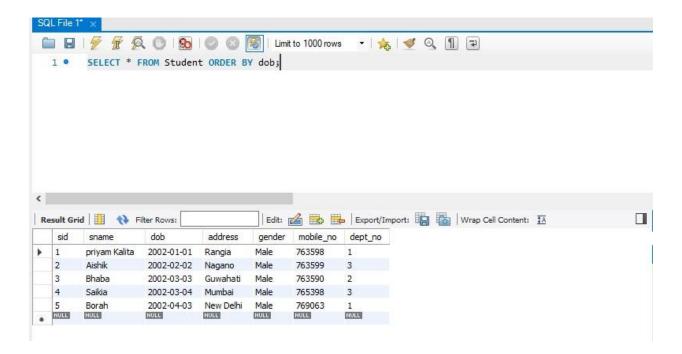
- (i) Use insert command
- (ii) Use Select command
- (iii) Use Select command with where condition
- (iv)Use Select command with order by clause
- (v) Use Select command with operators
- (vi)Use Select command with DISTINCT keyword
- (vii) Use Select command with group by clause
- (viii) Use Update command
- (ix)Use Update command
- (x) Use Delete command
- (xi)Use select command with group by and having clause

Problems: 1. Consider the database for a college. Write the query for the following. (i) Insert at least 5 tuples into each table.

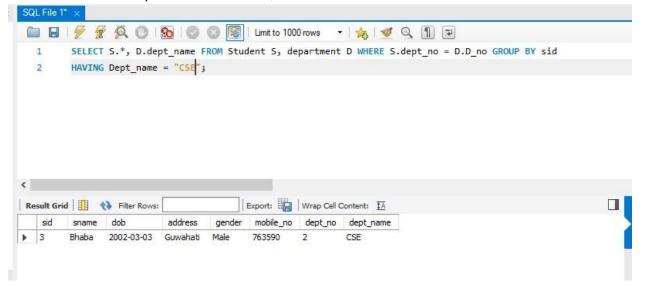


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       INSERT INTO Department
        VALUES(1, "IT");
  2
  3 •
      INSERT INTO Department
        VALUES(2, "CSE");
  5 • INSERT INTO Department
        VALUES(3, "Biotech");
  6
 7 • INSERT INTO Department
       VALUES(4, "ECE");
  8
  9 • INSERT INTO Department
 10
       VALUES(5, "Mathematice");
 11
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 1 • ⊖ CREATE TABLE Faculty (
       F_id INT PRIMARY KEY,
 3
       fname VARCHAR(20) NOT NULL,
       designation VARCHAR(20)
 4
      DEFAULT 'Professor',
 5
     salary INT, dept_no INT DEFAULT '1'
 6
 7 );
🚞 🔚 | 🥖 ਉ 👰 🕛 | 🚳 | 💿 🔞 | Bill Limit to 1000 rows 🔻 | 埃 | 🥩 🔍 🗻 🖃
 1 • INSERT INTO Faculty
      VALUES(01, "H. C. Verma", "Professor", 28000, 2);
 3 • INSERT INTO Faculty
                                                                                                         m
 4 VALUES(02, "S.L. Arora", "Assistant Professor", 18000, 1);
 5 • INSERT INTO Faculty(F_id, fname, salary, dept_no)
      VALUES(03, "D.C. Pandey", 16000, 2);
 7 • INSERT INTO Faculty(F_id, fname, salary)
      VALUES(04, "Walter Lewin", 20000);
 8
9 • INSERT INTO Faculty
      VALUES(05, "Anand Kumar", "Associate Professor", 30000, 3);
```

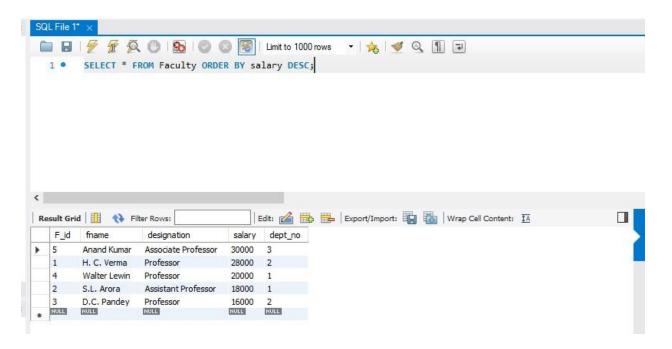
(ii) List the details of students in the ascending order of date of birth Ans: SELECT * FROM Student ORDER BY dob;



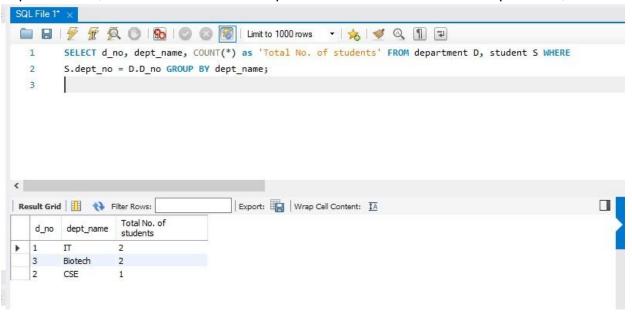
(iii) Display the details of students from computer department Ans: SELECT S.*, D.dept_name FROM Student S, department D WHERE S.dept_no = D.D_no GROUP BY sid HAVING Dept_name = "CSE";



(iv) List the faculties in the descending order of salary Ans: SELECT * FROM Faculty ORDER BY salary DESC;

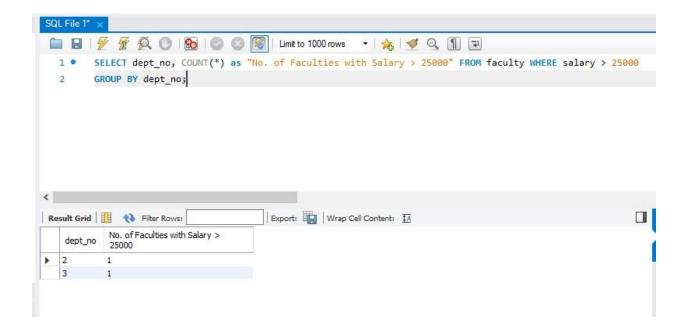


(v) Display the total number of students in each department
Ans: SELECT d_no, dept_name, COUNT(*) as 'Total No. of students' FROM
department D, student S WHERE S.dept_no = D.D_no GROUP BY dept_name;



(vi) Display the total number of faculties in each department with salary greater than 25000.

Ans: SELECT dept_no, COUNT(*) as "No. of Faculties with Salary > 25000" FROM faculty WHERE salary > 25000 GROUP BY dept_no;



2. Consider the database for a banking enterprise.

Write the queries for the below questions.

(i) Insert at least 5 tuples in each table

```
SQL File 1* ×
                            Limit to 1000 rows
                                                · | 🍰 | 🥩 Q ¶ 📦
 1 ● ⊖ CREATE TABLE customer (
  2
        c_id INT PRIMARY KEY,
  3
        c_name VARCHAR(20) NOT NULL,
  4
        ph_no INT ,
  5
        dob DATE,
        gender VARCHAR(10),
  6
  7
       C_city VARCHAR(20)
  8
        );
  9
```

```
SQL File 1*
       | 🐓 🖟 🔯 🔘 | 🗞 | 🔘 🚳 | 📗 | Limit to 1000 rows → | 🚖 | 🥩 🔍 👖 📦
 1 .
        INSERT INTO customer
        VALUES(01, "Jhon", 9786853, 19800209, "Male", "Guwahati");
  2
        INSERT INTO customer
        VALUES(02, "Harry", 9786851, 19810511, "Male", "Mumbai");
 5 .
        INSERT INTO customer
        VALUES(03, "Peter", 78964311, 19820312, "Male", "Guwahati");
  6
        INSERT INTO customer
        VALUES(04, "Thomus", 78964881, 19830518, "Male", "Kolkata");
        INSERT INTO customer
        VALUES(05, "Mr. Thor", 98964311, 19880920, "Male", "Chennai");
 10
 11
 🛅 🔚 🖊 🏂 🙊 🖱 🚷 🔘 🚷 🔘 ы limit to 1000 rows 🔻 🚖 🤝 🔍 🚹 🖘
  1 • G CREATE TABLE Bank_brn (
  2
        b_code VARCHAR(20) PRIMARY KEY,
  3
        b loc VARCHAR(30),
  4
        b state
        VARCHAR(20)
  5
  6
        );
 🚞 🔒 | 🥖 💯 👰 🕛 | 🚳 | 🔘 🚳 | Limit to 1000 rows
                                              - | 🛵 | 🥩 🔍 🗻 🖃
        INSERT INTO Bank_brn
        VALUES('B001', 'Guwahati', 'Assam');
        INSERT INTO Bank_brn
        VALUES('B002', 'Rangia', 'Assam');
        INSERT INTO Bank brn
       VALUES('B003', 'Dibrugarh', 'Assam');
  6
  7 • INSERT INTO Bank brn
        VALUES('B004', 'nagpur', 'Maharashtra');
       INSERT INTO Bank_brn
  9 •
 10
       VALUES('B005', 'Bhopal', 'Madhya Pradesh');
 CREATE TABLE D scheme(
   c id INT PRIMARY KEY,
   dep scheme VARCHAR(30) NOT NULL
  );
```

```
INSERT INTO D_scheme VALUES

(1, "National Savings Certificate"),

(2, "Post Office Savings Account"),

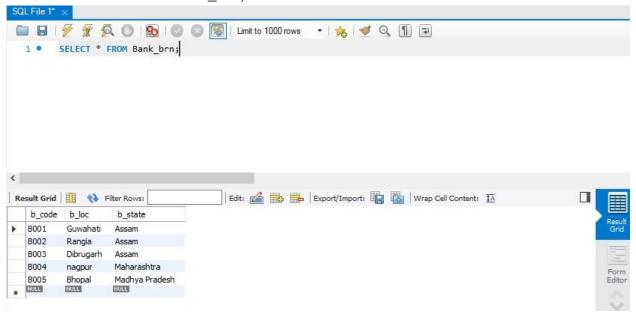
(3, "Public Provident Fund"),

(4, "Post Office Time Deposit"),

(5, "Sukanya Smriddhi Yojana");
```

(ii) Display the branch details

Ans: SELECT * FROM Bank_brn;



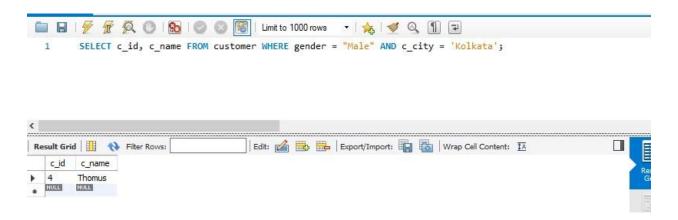
(iii)List the customers of 'Mumbai' city

Ans: SELECT c_id, c_name FROM customer WHERE c_city = "Mumbai";



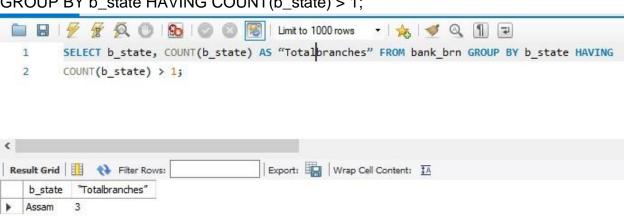
(iv) List the male customers of 'Kolkata'city

Ans: SELECT c_id, c_name FROM customer WHERE gender = "Male" AND c_city = 'Kolkata'



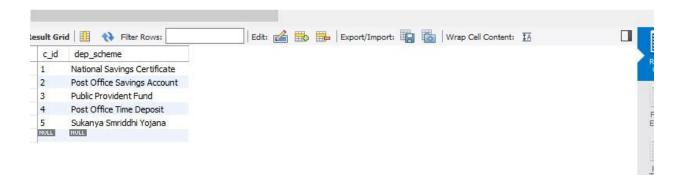
(v) List the state having more than one branch.

Ans: SELECT b_state, COUNT(b_state) AS "Total no. of branches" FROM bank_brn GROUP BY b_state HAVING COUNT(b_state) > 1;



(vi) List the deposit schemes provided by the bank to the customers Ans: SELECT * FROM D_scheme;

1 • SELECT * FROM D_scheme;



(vii) Delete the entire content of any table

Ans: DROP TABLE Bank_brn;

0	3 23:14:20 SELECT * FROM D_scheme LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec
9	4 23:15:05 DROP TABLE Bank_bm	0 row(s) affected	0.157 sec
_	E 20 15 11 DD00 TADED	E 6 1 1001 UT 10 10 10 10 10 10 10 10 10 10 10 10 10	0.047

EXPERIMENT NO 4 Sub Queries and Joins

AIM: Consider the database for the organization and Write the queries for the following

- (i) Display the empno, name, and salaries for employees whose average salary is higher than the average salary of the organization.
- (ii) Display the details of employees whose salary is equal to the minimum salary of organisation.
- (iii) Display all the employees whose designation is same as that of 'Arun'
- (iv) display the empno and name of employees who earn more than any Employee in dept 1.
- (v) Display the empno, name, departments that the departments are same in both the emp and dept
- (vi)Display the employee details by implementing left inner join (vii) Display employee details by implementing a right outer join

OBJECTIVES: To understand sub queries and join in Mysql.

THEORY:

NESTED QUERIES:

A sub query is a query within a query. These sub queries can reside in the WHERE clause, the FROM clause, or the SELECT clause. The first query in the SQL statement is known as the outer query. The query inside the SQL statement is known as the inner query. The inner query is executed first. The output of an inner query is used as the input for the outer query. The entire SQL statement is sometimes referred to as a nested query.

JOINS: MySQL JOINS are used to retrieve data from multiple tables. A MySQL JOIN is performed whenever two or more tables are joined in a SQL statement.

There are different types of MySQL joins:

- MySQL INNER JOIN (or sometimes called simple join) MySQL LEFT
- OUTER JOIN (or sometimes called LEFT JOIN)
- MySQL RIGHT OUTER JOIN (or sometimes called RIGHT JOIN)

INNER JOIN (simple join): MySQL INNER JOINS return all rows from multiple tables where the join condition is met. Syntax: Select columns from table1 Inner join table2 On table1.column=table2.column;

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LEFT OUTER JOIN

Another type of join is called a MySQL LEFT OUTER JOIN. This type of join returns all rows from the LEFT-hand table specified in the ON condition and only those rows from the other table where the joined fields are equal.

Syntax:

Select columns from table 1 Right join table2 On table1.column=table2.column;

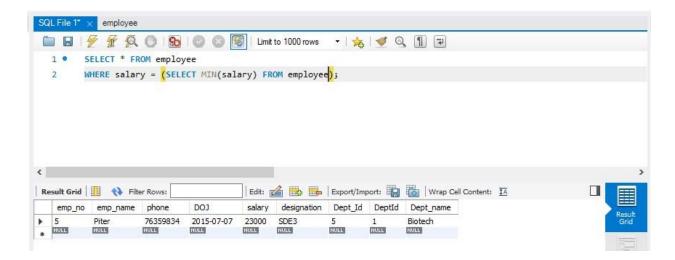
CODE AND OUTPUT:

(1)

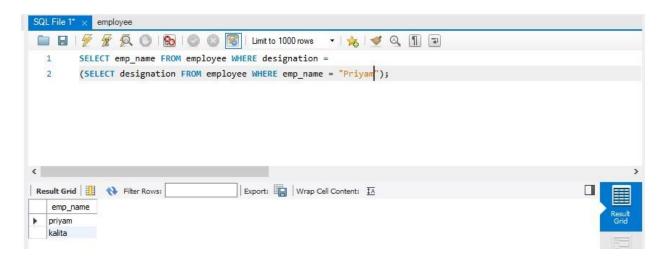
SQL File 1* × employee

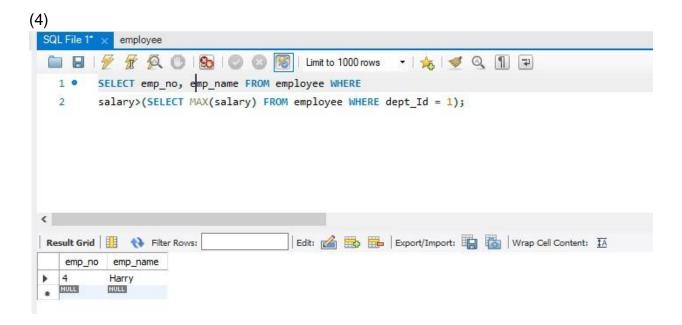
| SQL File 1* × employee | SQL | SQL | Limit to 1000 rows | SQL | S

(2)



(3)





RESULT: The nested queries and joins are executed successfully.

EXPERIMENT NO 5: VIEWS

AIM: Write the queries for the following.

- (i) Create a view emp from employee such that it contains only emp_no and emp_name and department.
- (ii) Create a view dept from department with only dept_no and location.
- (iii) Create a view that contains the details of employees who are managers only.
- (iv) drop the views. OBJECTIVES: To understand views in Mysql

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THEORY:

A view is the tailored presentation of data contained in one or more table and can also be said as restricted view to the data in the tables. A view is a "virtual table" or a "stored query" which takes the output of a query and treats it as a table. The table upon which a view is created is called as base table. A view is a logical table based on a table or another view. A view contains no data of its own but is like a window through which data from tables can be viewed or changed. The tables on which a view is based are called base tables. The view is stored as a SELECT statement in the data dictionary

Advantages of a view:

- (a). Additional level of table security.
- (b). Hides data complexity.
- (c). Simplifies the usage by combining multiple tables into a single table

Creating and dropping view:

Syntax:

Create or replace view view_name AS SELECT column_name(s) FROM table_name WHERE condition; Drop view <view name> ;

PROCEDURE:

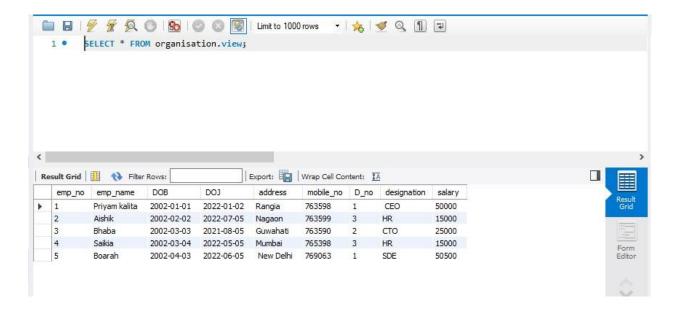
- (1) Create the employee table
- (2) Create the view

(3) display the content of view

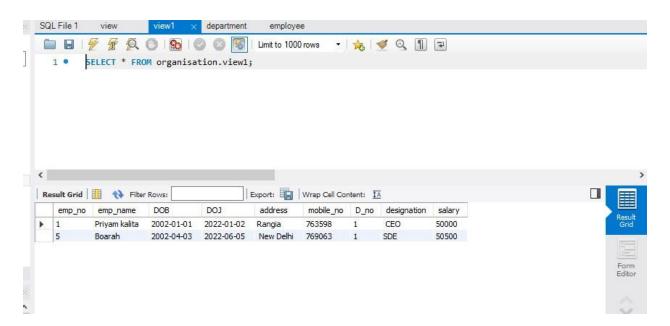
Result: Thus the views are created successfully.

Problems:

(i) View



(ii) View1



(v) DROP VIEW view; DROP VIEW view1;

EXPERIMENT NO:6 PROCEDURE

AIM:

Write a procedure which increases the salary of an employee. It accepts an employee number

and salary increase amount. It uses the employee number to find the current salary from the

EMPLOYEE table and update the salary.

OBJECTIVES

To understand the procedure in Mysql THEORY

PROCEDURE:

In MySQL, a procedure is a stored program that you can pass parameters into. It does not return a value like a function does.

Syntax

Create procedure name (parameter data type, parameter data type...)

Begin

Declaration section

Executable _section

End:

Procedure name

The name to assign to this procedure in MySQL.

Parameter

DBMS LAB MANUAL

When creating a procedure, there are three types of parameters that can be declared:

- 1. IN The parameter can be referenced by the procedure. The value of the parameter cannot be overwritten by the procedure.
- 2. OUT The parameter cannot be referenced by the procedure, but the value of the parameter can be overwritten by the procedure.

3. IN OUT - The parameter can be referenced by the procedure and the value of the parameter can be overwritten by the procedure.

Declaration section

The place in the procedure where you declare local variables.

Executable section

The place in the procedure where you enter the code for the procedure.

PROCEDURE:

```
1 .
     use organisation;
2
      DELIMITER //
3
4 .
       CREATE procedure raise_salary (IN emp_id INT, IN increment INT)
       BEGIN
6
7
       UPDATE employee SET salary = salary + increment WHERE emp_no = emp_id;
8
       END //
9
       DELIMITER ;
10
11
12 .
       CALL raise_salary(1, 5000);
```

OUTPUT:

Create a procedure that changed the salary of emp_no 1 to 55000 from 50000

